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HARVEY CUSHING, M. D., *Associate Professor of Surgery.* 3 W. Franklin St.

A. B., Yale University, 1891; A. M. and M. D., Harvard University, 1895; *Associate in Surgery, the Johns Hopkins Hospital.*

JOHN B. WHITEHEAD, JR., PH. D., *Associate Professor of Applied Electricity.*

Proficient in Applied Electricity, Johns Hopkins University, 1893, A. B., 1898, and Ph. D., 1902; Member, American Institute of Electrical Engineers.

1016 St. Paul St.

PERCY M. DAWSON, M. D., *Associate Professor of Physiology.*

A. B., Johns Hopkins University, 1894, M. D., 1898, and Fellow, 1898-99.

Charles St. Av. (P. O. Sta. L).

HUGH H. YOUNG, M. D., *Associate Professor of Genito-Urinary Surgery.*

A. B. and A. M., University of Virginia, 1893, and M. D., 1894; *Head of the Genito-Urinary Clinic, the Johns Hopkins Dispensary.*

330 N. Charles St.

WARREN H. LEWIS, M. D., *Associate Professor of Anatomy.*

S. B., University of Michigan, 1896; M. D., Johns Hopkins University, 1900.

227 W. Monument St.

JAMES C. BALLAGH, PH. D., LL. D., *Associate Professor of American History.*

A. B., Johns Hopkins University, 1894, and Ph. D., 1895; LL. D., University of Alabama, 1906.

415 Hawthorne Road, Roland Park.

FLORENCE R. SABIN, M. D., *Associate Professor of Anatomy.*

S. B., Smith College, 1893; M. D., Johns Hopkins University, 1900.

1329 Mt. Royal Av.

HERBERT S. JENNINGS, PH. D., *Associate Professor of Physiological Zoology.*

S. B., University of Michigan, 1893; A. M., Harvard University, 1895, and Ph. D., 1896; Assistant Professor, University of Michigan, 1900-03, and University of Pennsylvania, 1903-06; Honorary Fellow, Royal Microscopical Society of London; *Associate Editor, Journal of Comparative Neurology and Psychology and Journal of Experimental Zoology.*

Pennhurst Av., W. Arlington.

THOMAS MCCRAE, M. D., *Associate Professor of Medicine and Clinical Therapeutics.* 807 St. Paul St.

A. B., University of Toronto, 1891, M. B., 1895, and M. D., 1903; M. R. C. S. (London), 1900; *Associate in Medicine, the Johns Hopkins Hospital; Associate Director and Physician in charge of Medical Clinic, the Johns Hopkins Dispensary.*

CASWELL GRAVE, PH. D., *Associate Professor of Zoology.*

S. B., Earlham College, 1895; Fellow, Johns Hopkins University, 1898-99, Ph. D., 1899, and Bruce Fellow, 1900-01; Director of Research, Fisheries Laboratory, Beaufort, N. C.; Shell Fish Commissioner for the State of Maryland.

Wyndhurst Av., Embla Park.

GEORGE E. BARNETT, PH. D., *Associate Professor of Political Economy.*

A. B., Randolph-Macon College, 1891, Fellow, Johns Hopkins University, 1899-1900, and Ph. D., 1901.

227 W. Monument St.

ARTHUR S. LOEVENHART, M. D., *Associate Professor of Pharmacology and Physiological Chemistry.* 521 N. Wolfe St.

S. B., Kentucky State College, 1898, and M. S., 1899; M. D., Johns Hopkins University, 1903.

WILLIAM W. FORD, M. D., *Associate Professor of Bacteriology and Lecturer on Hygiene.* 1134 Cathedral St.

A. B., Adelbert College, 1893; M. D., Johns Hopkins University, 1898; Fellow of McGill University, 1899-1901, and of the Rockefeller Institute, 1901-02.

MAX BRÖDEL, *Associate Professor of Art as applied to Medicine.*
Academy of Arts, Leipzig, 1885–90; Illustrator, University of Leipzig, until 1894.
707 N. Carrollton Av.

WILFRED P. MUSTARD, PH. D., *Collegiate Professor of Latin (elect).*
A. B., University of Toronto, 1886, and A. M., 1890; Fellow, University College, 1886–89; Fellow, Johns Hopkins University, 1890–91, and Ph. D., 1891; Professor of Latin in Colorado College, 1891–93; Instructor in Haverford College, 1893–94, and Professor of Latin, 1894–1907. [*Beginning September* 1, 1907.]

PHILIP R. UHLER, LL. D., *Associate in Natural History.*
LL. D., New York University, 1900; Provost and Librarian of the Peabody Institute; President of the Maryland Academy of Sciences.
254 W. Hoffman St.

BERNARD C. STEINER, PH. D., *Associate in History.* 1038 N. Eutaw St.
A. B., Yale University, 1888, and A. M., 1890; Fellow, Johns Hopkins University, 1890–91, and Ph. D., 1891; LL. B., University of Maryland, 1894; Instructor in Williams College, 1891–92; Professor of Constitutional Law, Baltimore University, 1897–1900; Dean and Professor of Public Law, Baltimore Law School, 1900–04; Librarian, Enoch Pratt Free Library.

ABRAHAM COHEN, PH. D., *Associate in Mathematics.* 1744 Park Av.
A. B., Johns Hopkins University, 1891, Fellow, 1893–94, and Ph. D., 1894.

J. ELLIOTT GILPIN, PH. D., *Associate in Chemistry.* 139 W. Lanvale St.
A. B., Johns Hopkins University, 1889, and Ph. D., 1892.

GEORGE C. KEIDEL, PH. D., *Associate in Romance Languages.*
A. B., Johns Hopkins University, 1889, Fellow, 1893–95, and Ph. D., 1895. 342 Dolphin St.

FRANK R. SMITH, M. D., *Associate in Medicine.* 1126 Cathedral St.
A. M., University of Cambridge, 1882; M. D., University of Maryland, 1891; *Physician in charge of the Medical Clinic, the Johns Hopkins Dispensary.*

OLIVER L. FASSIG, PH. D., *Associate in Meteorology.* Bluemont, Va.
S. B., Ohio State University, 1882; Ph. D., Johns Hopkins University, 1899.

GUY L. HUNNER, M. D., *Associate in Gynecology.* 1420 Eutaw Place.
S. B., University of Wisconsin, 1893; M. D., Johns Hopkins University, 1897.

SAMUEL AMBERG, M. D., *Associate in Pediatrics.* 1220 Linden Av.
M. D., University of Heidelberg, 1898; *Clinical Assistant in Pediatrics, the Johns Hopkins Dispensary.*

MURRAY P. BRUSH, PH. D., *Associate in French.* 20 E. Preston St.
A. B., Princeton University, 1894; Ph. D., Johns Hopkins University, 1898; Instructor in Ohio State University, 1898–99.

CHARLES P. EMERSON, M. D., *Associate in Medicine.*
A. B., Amherst College, 1894; M. D., Johns Hopkins University, 1899; *Resident Physician, the Johns Hopkins Hospital.*
The Johns Hopkins Hospital.

WILLIAM ROSENAU, PH. D., *Associate in Post-Biblical Hebrew.*
A. B., University of Cincinnati, 1888; Hebrew Union College of Cincinnati, 1889; Ph. D., Johns Hopkins University, 1900.
825 Newington Av.

J. EUSTACE SHAW, PH. D., *Associate in Italian.* 1114 Bolton St.
A. B., Johns Hopkins University, 1896, Fellow, 1899-1900, and Ph. D., 1900.

HENRY O. REIK, M. D., *Associate in Ophthalmology and Otology.*
M. D., University of Maryland, 1891; *Assistant in Ophthalmology and Otology, the Johns Hopkins Dispensary.*
412 Cathedral St.

LOUIS P. HAMBURGER, M. D., *Associate in Medicine.* 1210 Eutaw Place.
A. B., Johns Hopkins University, 1893, and M. D., 1897; *Assistant Physician, the Johns Hopkins Dispensary.*

THOMAS R. BROWN, M. D., *Associate in Medicine.* 17 W. Biddle St.

A. B., Johns Hopkins University, 1892, and M. D., 1897; *Physician in charge of the Medical Clinic, the Johns Hopkins Dispensary.*

RUFUS I. COLE, M. D., *Associate in Medicine.* 6 E. Franklin St.

S. B., University of Michigan, 1896; M. D., Johns Hopkins University, 1899; *Associate in Medicine, the Johns Hopkins Hospital.*

DAVID M. ROBINSON, PH. D., *Associate in Classical Archæology.*

A. B., University of Chicago, 1898, Fellow in Greek, 1899–1901, and Ph. D., 1904; American School of Classical Studies, Athens, 1901–03 (Fellow, 1902-03); Assistant Professor of Greek, Illinois College, 1904-05. 227 W. Monument St.

WILLIAM S. BAER, M. D., *Associate in Orthopedic Surgery.* 714 Park Av.

A. B., Johns Hopkins University, 1894, and M. D., 1898; *Assistant in Orthopedic Surgery, the Johns Hopkins Hospital.*

GEORGE WALKER, M. D., *Associate in Surgery.* 529 N. Charles St.

M. D., University of Maryland, 1889; *Chief of Surgical Clinic, the Johns Hopkins Dispensary.*

RICHARD H. FOLLIS, JR., M. D., *Associate in Surgery.* 112 E. Preston St.

Ph. B., Yale University, 1895; M. D., Johns Hopkins University, 1899; *Chief of Surgical Clinic, the Johns Hopkins Dispensary.*

J. MORRIS SLEMONS, M. D., *Associate in Obstetrics.* 23 W. Chase St.

A. B., Johns Hopkins University, 1897, and M. D., 1901; *Assistant in Obstetrics, the Johns Hopkins Hospital.*

CHARLES K. SWARTZ, PH. D., *Associate in Geology and Paleontology.*

A. B., Johns Hopkins University, 1888, Fellow, 1903–04, and Ph. D., 1904. 918 N. Fulton Av.

THOMAS R. BOGGS, M. D., *Associate in Medicine.*

S. B., University of Georgia, 1896; M. D., Johns Hopkins University, 1901; *Assistant Resident Physician in charge of Medical Bacteriological Laboratory, the Johns Hopkins Hospital.* The Johns Hopkins Hospital.

F. HARRY BAETJER, M. D., *Associate in Surgery, in charge of Actinography.*

A. B., Johns Hopkins University, 1897, and M. D., 1901; *Assistant in Actinography, the Johns Hopkins Hospital.* 714 Park Av.

JOSEPH CHRISTIE WHITNEY FRAZER, PH. D., *Associate in Chemistry.*

S. B., Kentucky State College, 1897, and M. S., 1898; Fellow, Johns Hopkins University, 1900-01, and Ph. D., 1901; engaged in research with Professor Morse, on a grant from the Carnegie Institution of Washington. 1217 Madison Av.

SOLOMON FARLEY ACREE, PH. D., *Associate in Chemistry.* 1206 Bolton St.

S. B., University of Texas, 1896, Assistant, 1896–97, and M. S., 1897; Fellow, University of Chicago, 1898–1901, Assistant, 1901, and Ph. D., 1902; Associate Professor, University of Utah, 1901–04; Henry E. Johnston Scholar, 1904-06.

FRANK R. BLAKE, PH. D., *Associate in Oriental Languages and Librarian of the Oriental Seminary.* Mt. Washington.

A. B., Johns Hopkins University, 1897, Fellow, 1898–1902, and Ph. D., 1902.

S. EDWIN WHITEMAN, *Instructor in Drawing.* Mt. Washington.

École des Beaux-Arts, Paris.

ELIZABETH HURDON, M. D., *Assistant in Gynecology.* 1315 N. Charles St.

M. D., Trinity University (Toronto), 1895.

LEWIS E. JEWELL, *Assistant in Astro-Physics.* 1215 Argyle Av.

HENRY MCE. KNOWER, PH. D., *Instructor in Anatomy.* Ruxton.

A. B., Johns Hopkins University, 1890, Fellow, 1894–95, Bruce Fellow, 1895–96, and Ph. D., 1896; Instructor in Williams College, 1896–97; *Co-editor and Secretary, American Journal of Anatomy.*

WILLIAM KURRELMEYER, PH. D., *Instructor in German.* Ellicott City.

A. B., Johns Hopkins University, 1896, Fellow, 1897-99, and Ph. D., 1899; Professor of Modern Languages, Franklin and Marshall College, 1899-1900.

HARRY T. MARSHALL, M. D., *Instructor in Pediatrics.*

A. B., Johns Hopkins University, 1894, M. D., 1898, and Fellow, 1899-1900; Pathologist, Bureau of Science, Manila, 1906-07; *Chief of the Medical Clinic, the Johns Hopkins Dispensary.*

NATHAN E. B. IGLEHART, M. D., *Assistant in Surgery.* 16 W. Preston St.

M. D., University of Maryland, 1889; *Chief of Surgical Clinic, the Johns Hopkins Dispensary.*

MACTIER WARFIELD, M. D., *Instructor in Laryngology.* 700 N. Howard St.

A. B., Johns Hopkins University, 1881; M. D., University of Maryland, 1884; *Chief of the Laryngological and Rhinological Clinic, the Johns Hopkins Dispensary.*

ALFRED R. L. DOHME, PH. D., *Instructor in Pharmacy.* Roland Park.

A. B., Johns Hopkins University, 1886, and Ph. D., 1889.

J. HALL PLEASANTS, M. D., *Instructor in Medicine.* 6 W. Chase St.

A. B., Johns Hopkins University, 1895, and M. D., 1899; *Chief of the Medical Clinic, the Johns Hopkins Dispensary.*

JAMES HALL MASON KNOX, JR., PH. D., M. D., *Instructor in Pediatrics.*

A. B., Yale University, 1892, and Ph. D., 1894; A. M., Lafayette College, 1896; M. D., Johns Hopkins University, 1898; *Clinical Assistant, the Johns Hopkins Dispensary.*
804 Cathedral St.

RICHARD A. URQUHART, M. D., *Instructor in Pediatrics.* 849 Park Av.

M. D., University of Virginia, 1894; *Clinical Assistant, the Johns Hopkins Dispensary.*

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University of Giessen.

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522 N. Charles St.

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LEROY C. BARRET, PH. D., *Instructor in Latin.* 227 W. Monument St.

A. B., Washington and Lee University, 1897, and A. M., 1898; Fellow, Johns Hopkins University, 1901-03, and Ph. D., 1903.

THEODORE CLINTON FOOTE, PH. D., *Instructor in Biblical Literature.*

A. B., Racine College, 1880, and A. M., 1883; S. T. B., General Theological Seminary (N. Y.), 1884; Ph. D., Johns Hopkins University, 1902, and Rayner Fellow, 1901-03.
1825 W. Fayette St.

M. LLEWELLYN RANEY, PH. D., *Assistant Librarian.* Pikesville.

A. B., Centre College, 1897; Fellow, Johns Hopkins University, 1901-03, and Ph. D., 1904.

W. RUSH DUNTON, M. D., *Instructor in Psychiatry.*

S. B., Haverford College, 1889, and A. M., 1890; M. D., University of Pennsylvania, 1893; Assistant Physician, Sheppard and Enoch Pratt Hospital; *Clinical Assistant in Neurology, the Johns Hopkins Dispensary.*
The Shirley.

JAMES J. MILLS, M. D., *Instructor in Ophthalmology and Otology.*

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853 Park Av.

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JOHN C. FRENCH, PH. D., *Instructor in English.* 304 Robert St.
A. B., Johns Hopkins University, 1899, Fellow, 1903–04, and Ph. D., 1905.

HENRY W. KENNARD, M. D., *Assistant in Orthopedic Surgery.*
M. D., University of Maryland, 1899; *Clinical Assistant, the Johns Hopkins Dispensary.*
The Winona, Park Ave.

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A. B., Leland Stanford, Jr. University, 1899; Fellow, Johns Hopkins University, 1901–02, Bruce Fellow, 1902–04, and Ph. D., 1904.

J. BISHOP TINGLE, PH. D., *Assistant in Chemistry.* Roland Av.
Owens College (Manchester, Eng.), 1883-87; Ph. D., University of Munich, 1889; Professor of Chemistry, Illinois College, 1901–04.

EDWARD M. SINGEWALD, M. D., *Assistant in Neurology.* 5 N. Washington St.
M. D., University of Maryland, 1888; *Clinical Assistant, the Johns Hopkins Dispensary.*

RONALD T. ABERCROMBIE, M. D., *Director of the Gymnasium.*
A. B., Johns Hopkins University, 1901, and M. D., 1905. 4 E. Preston St.

FRANCIS C. GOLDSBOROUGH, M. D., *Instructor in Obstetrics.*
S. B., Princeton University, 1899; M. D., Johns Hopkins University, 1903; *Assistant Resident Gynecologist, the Johns Hopkins Hospital.* The Johns Hopkins Hospital.

ARTHUR W. MEYER, M. D., *Instructor in Anatomy.* 1119 N. Caroline St.
S. B., University of Wisconsin, 1898; M. D., Johns Hopkins University, 1905.

ROBERT L. RAMSAY, PH. D., *Assistant in English.* 304 Robert St.
A. B., Fredericksburg College, 1899; Fellow, Johns Hopkins University, 1904-05, and Ph. D., 1905.

ROBERT RETZER, M. D., *Instructor in Anatomy.* 227 W. Monument St.
M. D., University of Leipzig, 1904; Fellow, Johns Hopkins University, 1904–05.

GEORGE H. WHIPPLE, M. D., *Assistant in Pathology.*
A. B., Yale University, 1900; M. D., Johns Hopkins University, 1905.
The Johns Hopkins Hospital.

JOSEPH ALBERT CHATARD, M. D., *Assistant in Medicine.*
A. B., Loyola College, 1898; M. D., Johns Hopkins University, 1903; *Chief of Medical Clinic, the Johns Hopkins Dispensary.* 113 W. Lanvale St.

JOHN AUGUSTINE ENGLISH EYSTER, M. D., *Instructor in Physiology.*
S. B., Maryland Agricultural College, 1899; M. D. and Fellow, Johns Hopkins University, 1905.
1700 Linden Av.

CLARENCE B. FARRAR, M. D., *Instructor in Psychiatry.* Towson.
A. B., Harvard University, 1896; M. D., Johns Hopkins University, 1900; Assistant Physician and Acting Director of the Laboratory, Sheppard and Pratt Hospital; *Clinical Assistant in Neurology, the Johns Hopkins Hospital.*

ARTHUR DOUGLAS HIRSCHFELDER, M. D., *Instructor in Medicine.*
S. B., University of California, 1897; M. D., Johns Hopkins University, 1903.
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JAMES MARTIN WRIGHT, PH. D., *Assistant in History.* 260 W. Hoffman St.

A. B., William Jewell College, 1901; Fellow, Johns Hopkins University, 1903–04, and Ph. D. 1905.

JOHN McF. BERGLAND, M. D., *Assistant in Obstetrics.*

S. B., Princeton University, 1900; M. D., Johns Hopkins University, 1904; *Assistant Resident Obstetrician, the Johns Hopkins Hospital.* The Johns Hopkins Hospital.

EDWARD W. BERRY, *Assistant in Paleontology.* 100 W. Twenty-sixth St.

BENSON A. COHOE, M. D., *Assistant in Medicine.*

A. B., University of Toronto, 1898, and M. B., 1901; Instructor in Anatomy, Cornell University, 1900-1903, and University of Chicago, 1903-1905; *Assistant Resident Physician in charge of Medical Bacteriological Laboratory, the Johns Hopkins Hospital.* The Johns Hopkins Hospital.

AARON EMBER, PH. D., *Instructor in Hebrew.* 12 S. Eden St.

A. B., Johns Hopkins University, 1901, Fellow, 1903–04, Ph. D., 1904, and Rayner Fellow, 1904–07.

KNIGHT DUNLAP, PH. D., *Instructor in Psychology.* 104 W. Twenty-fifth St.

Ph. B., University of California, 1899, A. M., 1901, and Instructor, 1904–06; Ph. D., Harvard University, 1903.

HENRY M. FITZHUGH, M. D., *Assistant in Pediatrics.* 211 W. Madison St.

M. D., University of Maryland, 1897; *Clinical Assistant in Pediatrics, the Johns Hopkins Dispensary.*

JOHN T. GERAGHTY, M. D., *Assistant in Genito-Urinary Surgery.*

A. B., St. Thomas College (Minn.), 1895; Ph. B., St. Paul Seminary (Minn.), 1897; M. D., Johns Hopkins University, 1903; *Clinical Assistant in Genito-Urinary Diseases, the Johns Hopkins Dispensary.* 330 N. Charles St.

DONALD R. HOOKER, M. D., *Assistant in Physiology.*

A. B., Yale University, 1899, and M. S., 1901; M. D., Johns Hopkins University, 1905. 31 E. Mt. Vernon Place.

HENRY T. HUTCHINS, M. D., *Assistant in Gynecology.*

A. B., Amherst College, 1899; M. D., Johns Hopkins University, 1903; *Resident Gynecologist, the Johns Hopkins Hospital.* The Johns Hopkins Hospital.

CHARLES W. LARNED, M. D., *Assistant in Medicine.* 1327 Park Av.

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ROGER S. MORRIS, M. D., *Assistant in Medicine.*

A. B., University of Michigan, 1900, M. D., 1902, and Instructor in Medicine, 1903-06; *Assistant Resident Physician, the Johns Hopkins Hospital.* The Johns Hopkins Hospital.

J. FRANK ORTSCHILD, M. D., *Assistant in Surgery.* 1731 N. Broadway.

A. B., Leland Stanford Junior University, 1899; M. D., Johns Hopkins University, 1906.

AUGUST H. PFUND, PH. D., *Assistant in Physics.* 1125 McCulloh St.

A. B., University of Wisconsin, 1901; Fellow, Johns Hopkins University, 1905–06, and Ph. D., 1906.

HENRY LEE SMITH, M. D., *Assistant in Medicine.* 2535 St. Paul St.

M. D., University of Maryland, 1894; *Assistant Physician, the Johns Hopkins Dispensary.*

MARSHAL FABYAN, M. D., *Assistant in Pathology.* 807 St. Paul St.

A. B., Harvard University, 1900, and M. D., 1904.

CARL VOEGTLIN, PH. D., *Assistant in Medicine, in charge of the Chemical Division of the Clinical Laboratory.* 716 *Park Av.*

Ph. D., University of Freiburg (Baden), 1903; Instructor in Chemistry, University of Wisconsin, 1904–05.

SAMUEL WOLMAN, M. D., *Assistant in Medicine in the Clinical Laboratory.*

A. B., Johns Hopkins University, 1902, and M. D., 1906. 1211 McElderry St.

CHRISTIAN DENCKER, M. D., *Voluntary Assistant in Medicine.*

M. D., Rush Medical College, 1906. The Walbert, N. Charles St.

JOHN H. KING, M. D., *Voluntary Assistant in Medicine.* 212 E. Biddle St.

A. B., Johns Hopkins University, 1899, and M. D., 1906.

HENRY KLIEN, M. D., *Voluntary Assistant in Medicine.* 424 N. Broadway.

M. D., University of Leipsic, 1900, and Assistant in Psychiatry and Nervous Diseases, 1900–02, 1903–06; Voluntary Assistant in Medicine, University of Kiel, 1902-03.

JOHN C. MEAKINS, M. D., *Voluntary Assistant in Medicine.*

M. D. C. M., McGill University, 1904; House Physician, Royal Victoria Hospital, Montreal, 1904-06. 803 Cathedral St.

HUGH ANGUS STEWART, M. B., *Voluntary Assistant in Medicine.*

M. B., University of Edinburgh, 1904; M. R. C. P. (Edin.), 1906; Clinical Assistant, Royal Infirmary, Edinburgh, 1904-05, and Resident Physician, 1905-06. 103 Jackson Place.

HERMAN I. SCHLESINGER, Ph. D., *Assistant in Physiological Chemistry.*

S. B., University of Chicago, 1903, Fellow, 1903-05, and Ph. D., 1905; Universities of Berlin and Strassburg, 1905-07. 20 W. Preston St.

LECTURERS DURING THE YEAR 1906-07

On the Turnbull Foundation

Professor EUGEN KÜHNEMANN, PH. D., of the University of Breslau.
Eight public lectures on *German Poetry*.

On the Herter Foundation

Sir ALMROTH E. WRIGHT, M. D., F. R. S., of London.
Three public lectures on problems in *Bacteriology*.

Biblical Archaeology

FREDERICK J. BLISS, PH. D., late Field-Officer of the Palestine Exploration Fund.
Five public lectures on the *Identification of Sites*.

History of Religions

Professor MAURICE BLOOMFIELD, PH. D., LL. D., of the Johns Hopkins University.
Six public lectures on the *Religion of the Veda*.

Psychology

Professor PIERRE JANET, of the Collège de France, Paris.
Two public lectures and one seminary conference on *Mind in Medicine*.

English Literature

Professor JOHN B. HENNEMAN, PH. D., of the University of the South.
Two public lectures on *Shakespeare's Art*.

Before separate departments of the University

Geology

Professor CLEVELAND ABBE, PH. D., LL. D., of the United States Weather Bureau.
Meteorology.

LOUIS A. BAUER, PH. D., Director of the Department of Terrestrial Magnetism, Carnegie Institution.
Terrestrial Magnetism.

German

THOMAS S. BAKER, PH. D., of the Jacob Tome Institute.
German Literature.

Greek

ARISTOGEITON M. SOHO, PH. D., of Baltimore.
Modern Greek.

Medicine

RUPERT NORTON, M. D., Acting Superintendent of the Johns Hopkins Hospital.
Forensic Medicine.

CH. WARDELL STILES, PH. D., Zoologist of the U. S. Bureau of Public Health.
Medical Zoölogy.

Historical, Economic, and Political Science

Professor ELBERT J. BENTON, PH. D., of Western Reserve University.
Ten lectures on *American Diplomatic History*. [Albert Shaw Lectureship.]

HENRY JONES FORD, ESQ., of Baltimore.
Ten lectures on the *Theory and Practice of Politics*.

JOHN M. GLENN, A. M., of Baltimore.
Ten lectures on *Problems of Relief*.

CLAYTON C. HALL, LL. B., A. M., of Baltimore.
Eight lectures on the *Theory and Practice of Insurance*.

JAMES SCHOULER, LL. D., of Boston.
Four lectures on *Ideals of the American Republic*.

Philosophy and Psychology

Professor JOHN DEWEY, PH. D., LL. D., of Columbia University.
Ten lectures on *The Development of Greek Philosophy*.

CLARENCE B. FARRAR, M. D., of Baltimore.
Physiological Psychology.

CHRISTINE LADD FRANKLIN, LL. D., of Baltimore.
Theories of Color Sensation.

Professor ERNEST C. MOORE, PH. D., of the University of California.
One lecture on *Education as a University Subject*.

Professor ALEXANDER T. ORMOND, LL. D., of Princeton University.
One lecture on *Tendencies in American Thought*.

Romance Languages

Professor FREDERICK M. WARREN, PH. D., of Yale University.
Old French Literature.

HOLDERS OF THE JOHNSTON SCHOLARSHIPS

SAMUEL GRANT OLIPHANT, PH. D., *Henry E. Johnston Scholar*.
A. B., Princeton University, 1891; Fellow, Johns Hopkins University, 1904-06, and Ph. D., 1906. *Sanskrit and Comparative Philology*.
1613 John St.

RALPH STAYNER LILLIE, PH. D., *James Buchanan Johnston Scholar*.
A. B., University of Toronto, 1896; Fellow, University of Chicago, 1898-01, and Ph. D., 1901; Instructor, Harvard University, 1905-06. *Physiology*.
1511 Bolton St.

ISAAC WOODBRIDGE RILEY, PH. D., *Henry E. Johnston Jr. Scholar*.
A. B., Yale University, 1892, A. M., 1898, and Ph. D., 1902; Instructor in English, New York University, 1897-98; Acting Professor of Philosophy, University of New Brunswick, 1902-04; Co-operating Editor, *Psychological Bulletin*. *Philosophy*.
709 St. Paul St.

GRADUATE STUDENTS

Fellows by Courtesy

FREDERICK SQUIRE HEMRY. Clay Centre, Neb. 2301 *Eutaw Pl.*

A. B., Cotner University, 1894; A. M., University of Nebraska, 1897; Fellow, Johns Hopkins University, 1905-06. *German, Greek, and English.*

LLEWELLYN GRIFFITH HOXTON. Washington, D. C. *Washington.*

A. B., S. B., and A. M., University of Virginia, 1900; Fellow, Johns Hopkins University, 1905-06. *Physics, Mathematics, and Geological Physics.*

ALFRED ALLAN KERN. Nashville, Tenn. 1416 *McCulloh St.*

A. B., Randolph-Macon College, 1898, and A. M., 1899; Fellow, Johns Hopkins University, 1902-03, and Ph. D., 1907; Professor of English, Millsaps College. *English, French, and German.*

AUBREY EDWARD LANDRY. South Boston, Mass. 1106 *Forrest Pl.*

A. B., Harvard University, 1900; Fellow, Catholic University of America. *Mathematics, Physics, and Electricity.*

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Associate Professor of Anatomy, University of Wisconsin. *Anatomy.*

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Adam T. Bruce Fellow in Biology

ROBERT ERVIN COKER. Darlington, S. C. *Lima, Peru.*

S. B., Univ. of North Carolina, 1896, and M. S., 1897; Fellow, Johns Hopkins University, 1905-06, and Ph. D., 1906; commissioned by the government of Peru to conduct studies in the marine fisheries of that country. [*Resigned without entering on the fellowship.*]

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A. B., Johns Hopkins University, 1901, Fellow, 1903-04, Ph. D., 1904, and Instructor in Hebrew.

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A. B., University of Lyons, 1895; S. T. L., Catholic University of Paris, 1900. *Semitic Languages and English Literature.*

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A. B., Richmond College, 1904. *History and Political Science.*

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Gymnasium Augustum, Goerlitz, 1905. *German, French, and Italian.*

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Other Graduate Students in Philosophy

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A. B., Johns Hopkins University, 1905. *Mathematics, Psychology, and History of Philosophy.*

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S. B., Rutgers College, 1897, and M. S., 1899. *Botany, Zoology, and Geology.*

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Wiesbaden Gymnasium, 1904. *Greek, Latin, and Sanskrit.*

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A. B., Johns Hopkins University, 1901. *English, German, and French.*

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University of Breslau, 1879; M. D., College of Physicians and Surgeons (Balt.), 1888. *Sanskrit and Semitic Languages.*

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A. B., University of Oxford, 1900, and A. M., 1904. *Mathematics.* [*Resigned without entering on the fellowship.*]

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Gymnasium Augustum, Goerlitz, 1905. *German, French, and Italian.*

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S. B., University of Wisconsin, 1902; M. D., Johns Hopkins University, 1906. *Pathology.*

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JOSEPH THEOPHILUS SINGEWALD, JR. Baltimore. 318 *S. Broadway.*
A. B., Johns Hopkins University, 1906. *Geology.*

EDWARD HINMAN SIRICH. Baltimore. 3011 *Clifton Av.*
A. B., Johns Hopkins University, 1906. *Geology.*

ERNEST RADCLIFFE SPEDDEN. Baltimore. 536 *N. Carey St.*
A. B., Dickinson College, 1904. *Political Economy, Political Science, and History of Philosophy.*

LLOYD WILLIAM STEPHENSON. Scio, O. 1225 *Madison Av.*
Ph. B., Scio College, 1903. *Geology, Mineralogy, and Chemistry.*

WILLIAM WALKER STRONG. Mechanicsburg, Pa. 1741 *McCulloh St.*
S. B., Dickinson College, 1905 *Physics, Physical Chemistry, and Mathematics.*

JESSE ORILA STUTSMAN. Baltimore. 649 *W. Lexington St.*
A. B., De Pauw University, 1895. *Chemistry.*

HERMAN IVAH THOMSEN. Baltimore. 212 *E. Preston St.*
A. B., Harvard University, 1881. *Mathematics and History.*

OLIVER TOWLES. University of Virginia. 930 *Madison Av.*
A. B., University of Virginia, 1906. *French, Spanish, and Italian.*

JOHANNES KARL ROBERT KONRAD UHLIG. Baltimore. 1613 *Linden Av.*
A. B., Johns Hopkins University, 1906. *Chemistry.*

WILLIAM REED VEAZEY. New Wilmington, Pa. 2023 *W. North Av.*
A. B., Westminster College (Pa.), 1903. *Chemistry, Physical Chemistry, and Mathematics.*

GEORGE WOOD VINAL. Washington, D. C. 1106 *E. Capitol St., Wash.*
A. B., Wesleyan University, 1906. *Physics, Physical Chemistry, and Mathematics.*

ANTHONY PELZER WAGENER. Charleston, S. C. 1210 *McCulloh St.*
A. B., College of Charleston, 1906. *Latin, Greek, and Sanskrit.*

SEDLEY LYNCH WARE. Charleston, S. C. 1218 *Bolton St.*
B. ès Lett., University of France, 1891; A. B., Oxford University, 1895; LL. B., Columbia University, 1900. *History, Political Science, and Political Economy.*

CHARLES PRESTON WEAVER. Baltimore. 1206 *Myrtle Av.*
A. B., Wake Forest College, 1904. *English, Philosophy, and German.*

LEON FRANKLIN WILLIAMS. Gatesville, N. C. 1214 *McCulloh St.*
A. B., Trinity College (N. C.), 1901, and A. M., 1902. *Chemistry, Physical Chemistry, and Mineralogy.*

ROBERT DANIEL WILLIAMS. Racine, Wis. 405 *Wilson St.*
A. B., Princeton University, 1903, Fellow, 1903-04, and A. M., 1904; Fellow, Johns Hopkins University, 1904-06. *Philosophy, Experimental Psychology, and Oriental History.*

LOUIS BERNARD WOLFENSON. Baltimore. 513 *Laurens St.*
A. B., University of Wisconsin, 1901, and A. M., 1902; Fellow, Johns Hopkins University, 1904-05, and Ph. D., 1907. *Semitic Philology, Sanskrit, and Egyptology.*

WILLIAM WRIGHT WOOD. Baltimore. 2802 *Parkwood Av.*
A. M., Central College (Mo.), 1887. *Semitic Languages.*

EMANUEL GEORGE ZIES. Baltimore. *Athol Terrace* (*P. O. Sta. D.*).
A. B., Johns Hopkins University, 1906. *Chemistry.*

ATTENDANTS ON SINGLE COURSES

ARTHUR BIBBINS. Baltimore. 2313 *N. Charles St.*
Ph. B., Albion College, 1887. *Geology.*

EDWIN THOMAS CHEETHAM. Baltimore. 737 *W. Lexington St.*
A. B., Wooster University, 1897. *Political Economy.*

JOHN STEPHEN DOYLE. Baltimore. 520 *Park Av.*
C. E., Rock Hill College, 1900. *Bacteriological Technique.*

WILLIAM HOWARD GAHAN. Baltimore. 2625 *N. Charles St.*
A. B., Loyola College, 1905. *Political Science.*

CHARLES FREDERICK GLOTH. Baltimore. 1305 *Maryland Av.*
A. B., Yale University, 1897. *French.*

WILLIAM JAMES HEAPS. Baltimore. 310 *W. Hoffman St.*
A. M., Allegheny College, 1893; LL. B., Baltimore Law School, 1903. *Chemistry.*

HERBERT HECHHEIMER. Baltimore. 2032 *Madison Av.*
M. E., Cornell University, 1906. *Chemistry.*

DAVID PAUL HERRIOTT. Pittsburg, Pa. 1127 *Madison Av.*
A. B., Washington and Jefferson College, 1901. *Chemistry.*

PHILIP IGNATIUS HEUISLER. Baltimore. 1807 *W. Baltimore St.*
S. B., Loyola College, 1906. *Chemistry.*

LOUIS FOLTAT HILDEBRANDT. Baltimore. 1217 *Mosher St.*
A. B., Johns Hopkins University, 1902. *Spanish.*

JAMES FREDERICK MASON. Baltimore. 1927 *Linden Av.*
A. B., Harvard University, 1902. *Romance Languages.*

HAROLD ADYE PRICHARD. Clifton, England. 24 *W. Biddle St.*
A. B., University of Oxford, 1906. *Greek.*

JOHN ARTHUR RAY. Annapolis. *Annapolis.*
A. B., Yale University, 1899, and A. M., 1903; Docteur d'Université, Paris, 1906. *Spanish.*

CHARLES SYLVESTER RIDGWAY. Prince George County. *Beltsville.*
S. B., Maryland Agricultural College, 1906. *Botany.*

VAN ALSTYNE VAN DUZER. Paris, France. 2216 *Oak St.*
Collège de France. *Romance Languages.*

Graduate Students in Medicine

CANDIDATES FOR THE DEGREE OF M. D.

Fourth Year

MERLE THERON ADKINS. Troy, Wis. 1613 *W. Franklin St.*
S. B., Beloit College, 1903.

FRANCIS MERRIMAN BARNES, JR. Middletown, N. Y. 106 *Jackson Pl.*
A. B., Hamilton College, 1903, and A. M., 1906.

ALBERT HENRY BEIFELD. Chicago, Ill. 103 *Jackson Pl.*
A. B., Harvard University, 1902.

EDWARD GRANT BIRGE. Madison, Wis. 1531 *N. Broadway.*
S. B., University of Wisconsin, 1903.

MONTAGUE LAFFITTE BOYD. Savannah, Ga. 305 *N. Broadway.*
Ph. B., Emory College, 1903.

LEVERETT DALE BRISTOL. Washington, D. C. 510 *N. Broadway.*
S. B., Wesleyan University (Conn.), 1903.

CHESTER TIMOTHY BROWN. Atlantic City, N. J. 1016 *N. Broadway.*
S. B., Rutgers College, 1903.

WADE HAMPTON BROWN. Marshall, Tex. 1022 *N. Broadway.*
S. B., University of Nashville, 1899; University of Chicago, 1902-03.

FREDERICK DABNEY BULLOCK. Lexington, Ky. 118 *Jackson Pl.*
S. B., Kentucky State College, 1899.

EDWARD KIMBALL BURBECK. Manchester, N. H. 821 *N. Broadway.*
A. B., Dartmouth College, 1903.

CHARLES BURNSIDE. Audubon, Ia. 1032 *N. Broadway.*
Ph. B., Iowa College, 1903.

WAID EDWIN CARSON. Ripley, W. Va. 937 *N. Broadway.*
A. B., Ohio Wesleyan University, 1900; Spring and Summer Quarters, University of Chicago, 1903.

JAMES H. CHESNUTT. Hot Springs, Ark. 118 *Jackson Pl.*
A. B., University of Virginia, 1903.

ELIOT ROUND CLARK. Wethersfield, Conn. 510 *N. Broadway.*
A. B., Yale University, 1903.

PAUL WISWALL CLOUGH. Portage, Wis. 1524 *N. Broadway.*
S. B., University of Wisconsin, 1903.

EDWIN CHARLES CORT. Allegheny, Pa. 1014 *N. Broadway.*
A. B., Washington and Jefferson College, 1901, and A. M., 1904; Student, Western Pennsylvania Medical College, 1901-03.

FRED YOHN CRONK. Westminster. 1020 *N. Broadway.*
S. B., St. John's College, 1903.

ROBERT LAW CUNNINGHAM. Newburgh, N. Y. 1022 *N. Broadway.*
A. B., Wabash College, 1901.

CLINE FLEMMING DAVIDSON. Crawfordsville, Ind. 1020 *N. Broadway.*
S. B., Wabash College, 1900; University of Illinois, 1901-03.

PAUL HERMAN DERNEHL. Milwaukee, Wis. 1613 *E. Biddle St.*
S. B., University of Wisconsin, 1903.

WILLIAM WERT DINSMORE. New Decatur, Ala. 1041 *N. Broadway.*
S. B., Alabama Polytechnic Institute, 1903.

ALPHONSE RAYMOND DOCHEZ. Harford Furnace. 510 *N. Broadway.*
A. B., Johns Hopkins University, 1903.

ROBERT WEYER DUNLAP. Washington, Pa. 1032 *N. Broadway.*
A. B., Washington and Jefferson College, 1903.

DAN HUGHES DUPREE. Danville, Ga. 131 *Jackson Pl.*
S. B., University of Georgia, 1903.

WILLIS DEW GATCH. Aurora, Ind. 1220 *N. Broadway.*
A. B., Indiana University, 1901.

GEORGE BURTON GILBERT. Thomaston, Conn. 111 *Jackson Pl.*
A. B., Yale University, 1903.

HENRY GRABER. Royersford, Pa. 1014 *N. Broadway.*
A. B., Ursinus College, 1903.

INSLEE BLAIR GREENE. Belvidere, N. J. 1706 *E. Monument St.*
Ph. B., Yale University, 1902.

CLYDE GRAEME GUTHRIE. Indiana, Pa. 510 *N. Broadway.*
A. B., Lafayette College, 1903.

MILTON HAHN. Washington, D. C. 131 *Jackson Pl.*
A. B., Harvard University, 1903.

ALECK PERKINS HARRISON. Tallahassee, Fla. 143 *N. Broadway.*
A. B., Florida State College, 1899.

GEORGE W. K. HARTMAN. Merced, Cal. 1531 *N. Broadway.*
S. B., University of California, 1903.

FRANKLIN HAZLEHURST, JR. Baltimore. 2112 *St. Paul St.*
A. B., Johns Hopkins University, 1903.

RALPH WELLINGTON HELLENBRAND. Old Town, Me. 106 *Jackson Pl.*
A. B., Bowdoin College, 1903.

ELIZABETH SINGLEY HELLWEG. Baltimore. 2830 *N. Calvert St.*
A. B., Woman's College of Baltimore, 1899.

GLADYS ROWENA HENRY. Burchard, Neb. 144 *Jackson Place.*
S. B., University of Nebraska, 1900.

GEORGE JULIUS HEUER. Madison, Wis. 510 *N. Broadway.*
S. B., University of Wisconsin, 1903.

EBEN CHARLES HILL. Baltimore. 2120 *N. Charles St.*
A. B., Johns Hopkins University, 1903; Graduate Student, University of Freiburg, Summer Semester, 1906.

CHARLES LANE HINCHER. Kent, N. Y. 1706 *E. Monument St.*
S. B., University of Rochester, 1903.

JOSEPH GARDNER HOPKINS. Brooklyn, N. Y. 510 *N. Broadway.*
A. B., Columbia University, 1902.

HERBERT LESTER KELLEY. Franklin, N. H. 908 *N. Broadway.*
A. B., Dartmouth College, 1903.

ALLEN KRAMER KRAUSE. Lebanon, Pa. 510 *N. Broadway.*
A. B., Brown University, 1901, A. M., 1902, and Graduate Student, 1902-03.

SALLY PORTER LAW. Philadelphia, Pa. 429 *N. Broadway.*
A. B., Bryn Mawr College, 1903.

BETHUEL BOYD VINCENT LYON. Philadelphia, Pa. 510 *N. Broadway.*
A. B., Williams College, 1903.

PERRY WILLIAM MCLAUGHLIN. Mason-Dixon, Pa. 718 *N. Broadway.*
A. B., Pennsylvania College, 1903.

EDWARD FALL MALONE. Nashville, Tenn. 515 *Cathedral St.*
A. B., Vanderbilt University, 1903.

NORRIS GREY ORCHARD. Rochester, N. Y. 122 *Jackson Pl.*
S. B., Fargo College, 1903.

FRED THOMAS OWENS. West Winfield, N. Y. 1717 *Fairmount Av.*
A. B., Hamilton College, 1903, and A. M., 1906.

CHARLES BENJAMIN PALMER. Little Falls, N. Y. 1022 *N. Broadway.*
A. B., Harvard University, 1901.

WILLIAM TURNER PARSONS. Philadelphia, Pa. 1020 *N. Broadway.*
A. B., Johns Hopkins University, 1903.

CARROLL DUNHAM PARTRIDGE. Bennington, Vt. 1632 *Jefferson St.*
S. B., University of Vermont, 1900; Assistant and Instructor in Chemistry, Cornell University, 1900-1904; Summer Quarter, University of Chicago, 1904-1905.

WILLIAM OTTO PAULI. Cincinnati, O. 111 *Jackson Pl.*
A. B., University of Cincinnati, 1902.

GEORGE PEIRCE. Haverford, Pa. 318 *N. Broadway.*
A. B., Haverford College, 1903.

EUGENE LEO PESSAGNO. Baltimore. 112 *Park Av.*
A. B., Johns Hopkins University, 1903.

HARRY WARD PLAGGEMEYER. Baltimore. 1040 *Hopkins Av. W.*
A. B., Johns Hopkins University, 1903.

PAUL PREBLE. Auburn, Me. 1717 *Fairmount Av.*
A. B., Bowdoin College, 1903.

ALEXANDER RANDALL. Annapolis. 510 *N. Broadway.*
A. B., St. John's College, 1902; Graduate Student, Johns Hopkins University, 1902-03.

DANIEL PATTEE RAY. Tyrone, Pa. 422 *N. Broadway.*
A. B., Dickinson College, 1903.

CLARENCE ADAIR RHODES. Buchanan, Va. 1016 *N. Broadway.*
A. B., Randolph-Macon College, 1903.

CHARLES WOODWARD RILEY. Baltimore. 1113 *Madison Av.*
A. B., Johns Hopkins University, 1903.

MARY JANE ROSS. Waverly, N. Y. 1729 *Jefferson St.*
A. B., Cornell University, 1898, and Ph. D., 1902; Woman's Medical College of Pennsylvania, 1898-99; A. M., University of Pennsylvania, 1900.

EDGAR POE SANDROCK. Baltimore. 1242 *N. Broadway.*
A. B., Johns Hopkins University, 1903.

HIRAM SIBLEY SCHUMACHER. Rochester, N. Y. 1706 *E. Monument St.*
Ph. B., University of Rochester, 1903.

RAYMOND BROWN SCOFIELD. Hemet, Cal. 2443 *E. Biddle St.*
S. B., University of Rochester, 1902.

WILL FARQUHAR SHALLENBERGER. Edgewood, Pa. 510 *N. Broadway.*
A. B., Washington and Jefferson College, 1903.

CLARENCE ALBERT SHORE. Winston-Salem, N. C. 520 *N. Broadway.*
S. B., University of North Carolina, 1901, M. S., 1902, and Medical Department, 1903-04.

GEORGE ARTHUR SMITH. Hartford, Conn. 111 *Jackson Pl.*
A. B., Yale University, 1903.

JOSEPH TATE SMITH, JR. Baltimore. *The Cecil, N. Eutaw St.*
A. B., Johns Hopkins University, 1903.

CHARLES GRANVILLE SOUDER. Lafayette, Ind. 12 *N. Ann St.*
S. B., Ohio State University, 1903.

CHARLES HENRY STUBENRAUCH. Baltimore. 2027 *McCulloh St.*
A. B., Johns Hopkins University, 1903.

CHARLES HENRY TURKINGTON. Morris, Conn. 1717 *Fairmount Av.*
Ph. B., Yale University, 1903.

LUCIUS TUTTLE. New Haven, Conn. 1632 *Jefferson St.*
A. B., Yale University, 1901.

PERCY THEODORE WATSON. Northfield, Minn. 1019 *N. Broadway.*
A. B., Carleton College, 1903.

WILLIAM HENDERSON WHITE. Carlisle, Pa. 422 *N. Broadway.*
A. B., Dickinson College, 1903.

UDO JULIUS WILE. New York, N. Y. 131 *Jackson Pl.*
A. B., Columbia University, 1904, and Medical Department, 1903-04.

MILTON CHARLES WINTERNITZ. Baltimore. 116 *S. Broadway.*
A. B., Johns Hopkins University, 1903.

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Third Year

SOLOMON JACOB APPELBAUM. Rochester, N. Y. 610 *N. Broadway.*
A. B., University of Rochester, 1904.

JOSEPH ROBSON BROMWELL BRANCH. Ellicott City. *Ellicott City.*
A. B., Johns Hopkins University, 1904.

ADDISON GORGAS BRENIZER, JR. Charlotte, N. C. 12 *N. Ann St.*
A. B., University of North Carolina, 1904.

JAMES STEWART BROTHERHOOD. Brooklyn, N. Y. 1710 *N. Broadway.*
S. B., Dartmouth College, 1904.

CARL HERBERT BRYANT. Independence, Mo. 103 *Jackson Pl.*
Ph. B., Yale University, 1904.

JONATHAN EDWARD BURNS, JR. Charlestown, W. Va. 1711 *Fairmount Av.*
A. B., University of Virginia, 1904.

CHRISTIAN FREDERICK CARSTENS. Ackley, Ia. 1717 *Fairmount Av.*
A. B., Lake Forest College, 1901.

WEBSTER KIMBALL CLARK. Wethersfield, Conn. 125 *Jackson Pl.*
Ph. B., Yale University, 1904.

RALPH DEBALLARD CLARKE. New London, Conn. 1802 *N. Broadway.*
A. B., New York University, 1904.

JEAN VALJEAN COOKE. Morgantown, W. Va. 1022 *N. Broadway.*
A. B., University of West Virginia, 1903, and Yale University, 1904.

EDWARD VINCENT COOLAHAN. Baltimore. 41 *S. Schroeder St.*
A. B., Rock Hill College, 1903.

FREDERICK ALOYSIUS COUGHLIN. Woonsocket, R. I. 726 *N. Broadway.*
A. B., Brown University, 1904.

SAMUEL JAMES CROWE. Atlanta, Ga. 110 *Jackson Pl.*
A. B., University of Georgia, 1904.

EDWARD ADAMS DEMING. Hartford, Conn. 1720 *Fairmount Av.*
Ph. B., Yale University, 1904.

HENRY STRONG DENISON. Denver, Colo. 847 *Ducatel St.*
A. B., Cornell University, 1905.

WILLIAM REUBEN S. DENNER. Manchester. 544 *Merrym'n Av., Hampden.*
A. B., Pennsylvania College, 1904.

HERMAN FERDINAND DERGE. Eau Claire, Wis. 1613 *E. Biddle St.*
A. B., University of Wisconsin, 1904.

ROBERT URIEL DRINKARD. Blacksburg, Va. 529 *N. Wolfe St.*
S. B., Virginia Polytechnic Institute, 1904.

WILLIAM WADDELL DUKE. Kansas City, Mo. 1705 *Fairmount Av.*
Ph. B., Yale University, 1904.

HERBERT MCLEAN EVANS. Modesto, Cal. 1516 *N. Broadway.*
S. B., University of California, 1904, and Medical Department, 1904-05.

JAMES THOMAS FLANAGAN. Waterbury, Conn. 318 *N. Broadway.*
A. B., Mt. St. Mary's College, 1903; Graduate Student, Johns Hopkins University, 1903-04.

JAMES RICHARD FRÖW. Lewistown, Pa. 113 *Jackson Pl.*
A. B., Lafayette College, 1904.

RALPH OTTOMAR FUERBRINGER. Saginaw, Mich. 105 *Jackson Pl.*
A. B., Johns Hopkins University, 1904; Summer Session, University of Wisconsin, 1905.

RANDOLPH MACON GRIMM. Stephens City, Va. 1016 *N. Broadway.*
A. B., Randolph-Macon College, 1902, and A. M., 1903.

WILLIAM EDWARD GROVE. Madison, Wis. 1119 *N. Caroline St.*
A. B., University of Wisconsin, 1904.

FREDERICK FRETAGEOT GUNDRUM. Riverside, Cal. 104 *Jackson Pl.*
A. B., Leland Stanford Jr. University, 1903.

SYLVAN LEWIS HAAS. Grass Valley, Cal. 314 *N. Broadway.*
S. B., University of California, 1904.

FREDERIC MOIR HANES. Winston-Salem, N. C. 520 *N. Broadway.*
A. B., University of North Carolina, 1903; A. M., Harvard University, 1904.

HENRY HANSON. Vermilion, S. Dak. 823 *N. Montford Av.*
A. B., University of South Dakota, 1902.

PAUL WILBERFORCE HARRISON. Scribner, Neb. 610 *N. Broadway.*
A. B., University of Nebraska, 1905, and Medical Department, 1903-05.

WILLIAM HARRY HIGGINS. Stanford, Ky. 1711 *Fairmount Av.*
A. B., Central University (Ky), 1904.

MINER CLIFFORD HILL. Trenton, N. J. 125 *Jackson Pl.*
S. B., Princeton University, 1904.

CHARLES AUGUSTUS LAMONT. Albion, N. Y. 1731 *N. Broadway.*
A. B., Yale University, 1905.

WILBUR LESLIE LECRON. Baltimore. 1410 *Mt. Royal Av.*
A. B., Johns Hopkins University, 1904.

EDWARD EMANUEL LINDEMAN. New York, N. Y. 519 *N. Wolfe St.*
Ph. B., Yale University, 1905.

JANVIER WHITTON LINDSAY. Washington, D. C. 1506 *N. Broadway.*
A. B., Columbia University, 1904.

HARRY WALTER MASENHEIMER. Manchester. 1020 *N. Broadway.*
A. B., St. John's College, 1904.

CHARLES HENRY MAY. Manchester, Pa. 113 *Jackson Pl.*
A. B., Pennsylvania College, 1904.

ROBERT WILLIAM BAINBRIDGE MAYO. Hyattsville. 1215 *John St.*
A. B., Maryland Agricultural College, 1903, and M. S., 1904.

JAMES ALPHONSUS MCCANN. Providence, R. I. 726 *N. Broadway.*
Ph. B., Brown University, 1904.

ROY DONALDSON MCCLURE. Columbus, O. 305 *N. Broadway.*
A. B., Ohio State University, 1904.

PATRICK JOSEPH MCDONNELL. Archbald, Pa. 1734 *E. Fayette St.*
Ph. B., Wesleyan University (Conn.), 1904.

CHARLES WILSON MILLS. Pittsfield, Mass. 1710 *N. Broadway.*
A. B., Williams College, 1902.

WARREN PEARL MORRILL. Benton Harbor, Mich. *Rosebank Av., Govans.*
Ph. B., University of Michigan, 1898; University of Illinois (Med. Dept.), 1904-1905.

GROVER CLEVELAND NEY. Harrisonburg, Va. 1830 *Linden Av.*
A. B., Mt. St. Joseph's College, 1904.

JAMES HARRY OPPENHEIMER. Cincinnati, O. 109 *Jackson Pl.*
A. B., Harvard University, 1904.

FRANK GIBSON PORTER. Baltimore. 2908 *Parkwood Av.*
A. B., Johns Hopkins University, 1904.

ROBERT SHEFFEY PRESTON. Marion, Va. 1012 *N. Broadway.*
A. B., Hampden-Sidney College, 1903; A. M., Princeton University, 1904.

FREDERICK SYLVANUS RAY. Riverside, Cal. 1734 *E. Fayette St.*
S. B., University of California, 1904.

LILLIAN EMELINE RAY. Palo Alto, Cal. 144 *Jackson Pl.*
A. B., Leland Stanford Jr. University, 1897, and A. M., 1901.

ALFRED JOSEPH RIDGES, JR. Salt Lake City, Utah. 2312 *E. Madison St.*
S. B., University of Utah, 1900.

HAMILTON RINDE. Grafton, N. Dak. 529 *N. Wolfe St.*
A. B., University of North Dakota, 1902.

JAMES LEE ROBINSON. Palestine, Texas. 521 *N. Wolfe St.*
A. B., University of Texas, 1904; Summer Session, Harvard Medical School, 1906.

JAMES ISAAC SCARBOROUGH. Newport, Ark. 118 *Jackson Pl.*
A. B., Princeton University, 1904.

SOLOMON WEINSCHENK SCHAEFER. Yazoo City, Miss. 810 *N. Broadway.*
A. B., Washington and Lee University, 1904.

LAURENCE SELLING. Portland, Ore. 810 *N. Broadway.*
A. B., Yale University, 1904.

HARRY PHILIP SHUGERMAN. Birmingham, Ala. 610 *N. Broadway.*
A. B., Howard College, 1901; Columbia University, 1902-1904.

ROLAND LEIGHTON STACY. South Berwick, Me. 1717 *Fairmount Av.*
A. B., Dickinson College, 1904.

ALBERT AGNEW THOMAS. Linton, Ind. 505 *N. Wolfe St.*
A. B., Indiana University, 1904.

JULIA MARIA TORREY. Cleveland, O. 823 *N. Montford Av.*
A. B., Boston University, 1888; University of Michigan (Med. Dept.), two years.

DWIGHT WALLACE TRACY. Hartford, Conn. 110 *Jackson Pl.*
Ph. B., Yale University, 1904.

CECIL WOODS VEST. Montezuma, Ia. 1119 *N. Caroline St.*
S. B., Iowa College, 1904.

JAMES JOHNSTON WARING. Savannah, Ga. 1705 *Fairmount Av.*
Ph. B., Yale University, 1904.

JAMES HOMER WILSON. Cumberland. 318 *N. Broadway.*
Ph. B., Lafayette College, 1904.

JOSEPH KENT WORTHINGTON. Philadelphia, Pa. 318 *N. Broadway.*
A. B., Haverford College, 1903.

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Second Year

CHARLES ROBERT AUSTRIAN. Baltimore. 2005 *Eutaw Place.*
A. B., Johns Hopkins University, 1904.

WALTER ALBERT BAETJER. Baltimore. 2324 *Callow Av.*
A. B., Johns Hopkins University, 1905.

JAMES ALVIN BASS. Baltimore. *Catonsville.*
A. B., Johns Hopkins University, 1905.

JULIAN LEE BIRDSONG. Sparta, Ga. 1016 *N. Broadway.*
S. B., University of Nashville, 1899.

SAMUEL WALTHALL BUDD. Petersburg, Va. 1314 *McCulloh St.*
A. B., Hampden-Sidney College, 1904; Graduate Student, Johns Hopkins University, 1904–05.

MONTROSE THOMAS BURROWS. Halstead, Kan. 1408 *E. Biddle St.*
A. B., University of Kansas, 1905.

JAMES SMILEY BUSH, JR. Colquitt, Ga. 1022 *N. Broadway.*
A. B., Emory College, 1905.

BENDER ZELOTES CASHMAN. New Oxford, Pa. 122 *Jackson Pl.*
A. B., Pennsylvania College, 1905.

ARTHUR BOND CECIL. Millersville. 109 *Jackson Pl.*
A. B., St. John's College, 1905.

FLORENCE CHAPMAN CHILD. Philadelphia, Pa. 144 *Jackson Pl.*
A. B., Bryn Mawr College, 1905.

WALTER FRANCIS COLE. Rockingham, N. C. 125 *Jackson Pl.*
S. B., Clemson College, 1902; A. B., University of North Carolina, 1905.

FRANCIS MARION CONFER. Monroe, Wis. 1025 *N. Broadway.*
A. B., University of Wisconsin, 1905.

HARRY LEWIS CONNETT. Athens, O. 424 *N. Broadway.*
Ph. B., Ohio University, 1905.

ERNEST COOPER. Columbia, S. C. 1641 *N. Caroline St.*
A. B., South Carolina College, 1900.

JENNINGS CRAWFORD. Cedar Rapids, Ia. 116 *Jackson Pl.*
Ph. B., Coe College, 1905.

JAMES WATSON WILLIAMS DIMON. Utica, N. Y. 626 *N. Broadway.*
A. B., Williams College, 1905.

JOHN ROSCOE ELLIOTT. Laurel, Del. 1720 *Harlem Av.*
A. B., Western Maryland College, 1905.

MAX WASHABAUGH EMMERT. Atlantic, Ia. 718 *N. Broadway.*
A. B., State University of Iowa, 1905.

CHARLES RHEIN ESSICK. Reading, Pa. 1731 *N. Broadway.*
A. B., Yale University, 1905.

WILLIAM LAWRENCE ESTES, JR. South Bethlehem, Pa. 706 *N. Br'dway.*
A. B., Lehigh University, 1905.

THOMAS LUDLOW FERENBAUGH. Howard, O. 1019 *N. Broadway.*
A. B., Kenyon College, 1905.

ARTHUR OSCAR FISHER. Baraboo, Wis. 1025 *N. Broadway.*
A. B., University of Wisconsin, 1905.

H. QUIGG FLETCHER. Jackson, Ga. 305 *N. Broadway.*
A. B., University of Georgia, 1904; Student of Medicine, Tulane University, 1904–05.

ERNEST ROBERT GENTRY. Minneapolis, Kan. 706 *N. Broadway.*
A. B., University of Kansas, 1905, and Medical Department, 1905-1906.

ETHEL MATHEWS GIRDWOOD. West Orange, N. J. 804 *N. Broadway.*
A. B., Bryn Mawr College, 1903.

WILLIAM ERNEST HART. Washington, Pa. 1019 *N. Broadway.*
S. B., Washington and Jefferson College, 1905.

THOMAS WILLIAM HARVEY, JR. Orange, N. J. 1734 *E. Fayette St.*
S. B., Princeton University, 1905.

WARREN WITHERELL HILDITCH. Thompsonville, Conn. 111 *Jackson Pl.*
Ph. B., Yale University, 1905.

PHILIP CHARLES JEANS. Hillsboro, O. 527 *N. Wolfe St.*
A. B., University of Kansas, 1904.

CHARLES RAWSON KINGSLEY, JR. West New Brighton, N. Y.
S. B., New York University, 1905. 610 *N. Broadway.*

TIMOTHY LYMAN. Barre, Mass. 821 *N. Broadway.*
A. B., Dartmouth College, 1903.

BALDWIN MANN. Buffalo, N. Y. 106 *Jackson Pl.*
A. B., Williams College, 1905.

FRED MARLIN MEADER. N. Haverhill, N. H. 571 *N. Luzerne St.*
S. B., Wesleyan University (Conn.), 1902, and M. S., 1905.

PHILIP BALL MOSS. Fort Smith, Ark. 422 *N. Broadway.*
S. B., Central University (Ky.), 1905.

JAMES B. MURPHY. Morganton, N. C. 120 *Jackson Pl.*
S. B., University of North Carolina, 1905.

PATRICK IRELAND NIXON. Gonzales, Texas. 1711 *Fairmount Av.*
A. B., University of Texas, 1905.

GEORGE RUPP PRETZ. Steelton, Pa. 1731 *Fairmount Av.*
S. B., Pennsylvania College, 1905.

ANDREW WATSON SELLARDS. Scranton, Kan. 527 *N. Wolfe St.*
A. B., University of Kansas, 1903, and A. M., 1904.

THOMAS PECK SPRUNT. Charleston, S. C. 1025 *N. Broadway.*
A. B., Davidson College, 1903.

LILLIAN GURINE STEVENSON. Tacoma, Wash. 144 *Jackson Pl.*
A. B., Whitworth College, 1905; Graduate Student, Univ. of Wisconsin, Summer of 1906.

JAMES RUSSELL STEWART. Logansport, Ind. 1711 *Fairmount Av.*
A. B., Lake Forest College, 1905.

EDWARD WENTZ STICK. Glenville, Pa. 135 *N. Broadway.*
A. B., Franklin and Marshall College, 1904.

HERBERT SEDGEFIELD THOMSON. Berkeley, Cal. 305 *N. Broadway.*
S. B., University of California, 1904.

CHARLES EDWARD TROTTER. Franklin, N. C. 1515 *E. Biddle St.*
S. B., N. C. College of Agriculture and Mechanic Arts, 1903; Graduate Student, Johns Hopkins University, 1904-05.

ROBERT LESTER WAITE. Hartford, Conn. 111 *Jackson Pl.*
Ph. B., Yale University, 1905.

ISAAC CHANDLER WALKER. Bridgton, Me. 306 *W. Lanvale St.*
A. B., Johns Hopkins University, 1905.

WILLIAM GLENN WALLACE. Mattoon, Ill. 1024 *N. Broadway.*
S. B., Hanover College, 1905.

DUNCAN CAMERON WALTON. Annapolis. 109 *Jackson Pl.*
A. B., St. John's College, 1905.

LEON HARLAN WATKINS. Opelika, Ala. 424 *N. Broadway.*
A. B., Southern University, 1903, and A. M., 1905.

CHARLES WALLACE WEBB. Texarkana, Ark. 122 *Jackson Pl.*
S. B., University of Arkansas, 1905.

ARTHUR JAMES WIESENDER. Dartford, Wis. 318 *N. Broadway.*
A. B., Ripon College, 1905.

GUSTAV HERMAN WOLTERECK. Baltimore. 628 *E. Eager St.*
A. B., Johns Hopkins University, 1905.

WALTER SIMRALL WYATT. New Decatur, Ala. 1041 *N. Broadway.*
S. B., University of Alabama, 1904, and M. S., 1905.

IVA CATHERINE YOUMANS. Fairfax, S. C. 541 *N. Luzerne St.*
A. B., Converse College, 1897; New York University Summer School, 1904; Woman's Medical College of Baltimore, 1904-05.

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First Year

MARY DAYTON ALLEN. Holland Patent, N. Y. 144 *Jackson Pl.*
A. B., Mt. Holyoke College, 1905.

MOSES HAVEN BAKER. Stackwell, Ind. 1791 *N. Caroline St.*
S. B., Purdue University, 1905.

HENRY GRAY BARBOUR. Hartford, Conn. 118 *Jackson Pl.*
A. B., Trinity College (Conn.), 1906.

RICHARD NEWELL BARRETT. Albany, N. Y. 1733 *Jefferson St.*
A. B., Williams College, 1906.

EMIL BOEHM. St. Louis, Mo. 610 *N. Broadway.*
S. B., St. Louis University, 1906.

WILLIAM SYMINGTON BOLE. Bozeman, Mont. 135 *Jackson Pl.*
S. B., Montana Agricultural College, 1906.

CARL FERDINAND BOOKWALTER. Danville, Ill. 132 *Jackson Pl.*
S. B., Purdue University, 1900.

ETHAN FLAGG BUTLER. Washington, D. C. 110 *Jackson Pl.*
A. B., Princeton University, 1906.

WALTER AUSTIN CALIHAN. Rochester, N. Y. 1726 *St. Paul St.*
A. B., University of Rochester, 1906.

ROSS STAGG CARTER. San Diego, Cal. 706 *N. Broadway.*
A. B., Leland Stanford Jr. University, 1905.

THOMAS RODNEY CHAMBERS. Baltimore. 18 *W. Franklin St.*
A. B., Johns Hopkins University, 1906.

HENRY THEODORE COLLENBERG. Baltimore. 1810 *E. Baltimore St.*
A. B., Johns Hopkins University, 1906.

HASKETT LYNCH CONNER. New Albany, Ind. 1725 *Jefferson St.*
A. B., De Pauw University, 1906.

HENRY NICHOLAS COSTELLO. Hartford, Conn. 1725 *Jefferson St.*
A. B., Yale University, 1906.

MELTON DOWNIE COUNCIL. Helena, Ga. 1014 *N. Broadway.*
Ph. B., Emory College, 1905.

BERNARD SOLOMON DENZER. New York City. 135 *Jackson Pl.*
A. B., Columbia University, 1906.

THOMAS ALAN DEVAN. New Brunswick, N. J. 1743 *Jefferson St.*
S. B., Rutgers College, 1906.

BARUCH MORDECAI EDLAVITCH. Baltimore. 1136 *E. Pratt St.*
A. B., Johns Hopkins University, 1906.

RALPH LANDIS ENGLE. Palmyra, Pa. 527 *N. Wolfe St.*
A. B., Lebanon Valley College, 1905; A. M., Yale University, 1906.

HORACE BURNETT FENTON. Portland, Ore. 810 *N. Broadway.*
A. B., University of Oregon, 1906.

EDGAR L. GILCREEST. Gainesville, Tex. 1701 *N. Caroline St.*
A. B., University of Texas, 1906.

HYMAN GINSBURG. De Funiak Spgs., Fla. 418 *N. Broadway.*
S. B., University of Georgia, 1906.

LEMUEL WHITTINGTON GORHAM. Albany, N. Y. 428 *N. Broadway.*
A. B., Yale University, 1906.

WILLIAM LAWRENCE GRIMES. Lexington, N. C. 520 *N. Broadway.*
S. B., University of North Carolina, 1906.

EDWARD LYELL GUNTS. Baltimore. 1127 *Harlem Av.*
A. B., Johns Hopkins University, 1906.

CROWELL CLAIRINTON HALL, Jr. Dover, Me. 802 *N. Broadway.*
A. B., Bowdoin College, 1906.

RUNKLE FISHER HEGEMAN. New Germantown, N.J. 1032 *N. Broadway.*
A. B., Princeton University, 1906.

WILLIAM RUTLEDGE HUDSON. Luray, Va. 711 *St. Paul St.*
A. B., Washington and Lee University, 1906.

HENRY GILDERSLEEVE JARVIS. Gildersleeve, Conn. 1725 *Jefferson St.*
A. B., Yale University, 1906.

ALBERT EUGENE JOHANN. Canton, Mo. 1222 *N. Broadway.*
A. B., Christian University, 1906; Graduate Student, University of Chicago, Summer of 1906.

CLARENCE ARTHUR JOHNSON. Silver Lake, Kan. 706 *N. Broadway.*
A. B., Washburn College, 1906.

CHARLES COLBY KNOWLTON. Ellsworth, Me. 802 *N. Broadway.*
A. B., Bowdoin College, 1906.

SAMUEL LABAN LEDBETTER, Jr. Birmingham, Ala. 1041 *N. Broadway.*
S. B., University of Alabama, 1906.

RALPH HERMAN MAJOR. Liberty, Mo. 1222 *N. Broadway.*
A. B., William Jewell College, 1902; Graduate Student, Universities of Leipsic Munich and Chicago, 1904–1906.

ALBERT FRANCIS MATTICE. Sedro, Wash. 702 *N. Broadway.*
S. B., South Dakota Agricultural College, 1904.

SYDNEY ROBOTHAM MILLER. Newark, N. J. 610 *N. Broadway.*
S. B., New York University, 1905.

DANA ELBRA MONROE. Cameron, Tex. 451 *N. Luzerne St.*
A. B., University of Texas, 1906.

ANGUS WASHBURN MORRISON. Minneapolis, Minn. 428 *N. Broadway.*
A. B., Yale University, 1906.

JAMES CRAIG NEEL. Marietta, O. *Denmore Park.*
Ph. B., Marietta College, 1906.

WILLIAM BRADFORD NEWCOMB. Sassafras, Va. 118 *Jackson Pl.*
A. B., College of William and Mary, 1906.

FIRMADGE KING NICHOLS. Baltimore. 535 *N. Carrollton Av.*
A. B., Johns Hopkins University, 1906.

SAMUEL TIMOTHY NICHOLSON, Jr. Bath, N. C. 520 *N. Broadway.*
A. B., University of North Carolina, 1906.

WILLEY HIGHBY NORTON. Staunton, Va. 1043 *N. Broadway.*
A. B., Ohio University, 1906.

ALBERT JOHN NUNNAMAKER. Oxford, O. 422 *N. Broadway.*
A. B., Miami University, 1905.

HENRY M. PAHLAS. Elkader, Ia. 1220 *N. Broadway.*
A. B., State University of Iowa, 1906.

JOHN HARVE PENIX. Bowling Green, Mo. 1410 *Linden Av.*
A. B., William Jewell College, 1906.

JEAN PAUL PRATT. Wellington, O. 1047 *N. Caroline St.*
A. B., Ohio State University, 1906.

CHENNEY MACAULAY RAMAGE. Fairmont, W. Va. 1623 *N. Broadway.*
S. B., West Virginia University, 1907.

ROBERT LEWIS RHODES. Louisville, Ga. 1014 *N. Broadway.*
A. B., Emory College, 1906.

WALTER BLACK ROGERS. Washington, Pa. 1019 *N. Broadway.*
A. B., Washington and Jefferson College, 1906.

JAMES WENDEL ROSENFELD. Portland, Ore. 706 *N. Broadway.*
A. B., Leland Stanford Jr. University, 1906.

RAYMOND SANDERSON. Scranton, Pa. 110 *Jackson Pl.*
S. B., Princeton University, 1905.

CHARLES ROBERT SAWYER. Glens Falls, N. Y. 104 *Jackson Pl.*
Ph. B., Wesleyan University (Conn.), 1906.

DWIGHT MILTON SAWYER. Glens Falls, N. Y. 104 *Jackson Pl.*
Ph. B., Wesleyan University (Conn.), 1906.

HERBERT MILFORD SENSENY. Cleveland, O. 1047 *N. Caroline St.*
A. B., Adelbert College, 1906.

JOHN WILLIAM SHEETZ. New Oxford, Pa. 135 *N. Broadway.*
Ph. B., Franklin and Marshall College, 1906.

HENRY AUGUSTUS STEPHENSON. Homeville, Va. 1016 *N. Broadway.*
A. B., Randolph-Macon College, 1906.

HOWARD LESTER TAYLOR. Keeseville, N. Y. 1726 *St. Paul St.*
A. B., Oberlin College, 1906.

WILLIAM LAWSON THORNTON. Talladega, Ala. 1041 *N. Broadway.*
S. B., Alabama Polytechnic Institute, 1903.

THOMAS PALMER TREDWAY. Fawn Grove, Pa. 18 *W. Franklin St.*
A. B., Western Maryland College, 1906.

ARTHUR DE TALMA VALK. Annapolis. 109 *Jackson Pl.*
A. B., St. John's College, 1906.

CLYDE EMIL WATSON. Kingwood, W. Va. 1641 *N. Caroline St.*
S. B., West Virginia University, 1905.

HELEN WATSON. East Braintree, Mass. 144 *Jackson Pl.*
A. B., Wellesley College, 1905.

MILTON WEINBERG. Manning, S. C. 716 *N. Broadway.*
A. B., South Carolina College, 1906.

THEODORE HENRY WENNING. Cincinnati, O. 527 *N. Wolfe St.*
A. B., St. Xavier College, 1904; Graduate Student, University of Cincinnati, 1904-06.

MILEY BARTON WESSON, Jr. El Paso, Tex. 1220 *N. Broadway.*
S. B., University of Texas, 1902.

JAMES HARVEY WHITCRAFT. Carrollton, O. 716 *N. Broadway.*
S. B., University of Wooster, 1905.

LUKE V. ZARTMAN. Columbus, O. 1047 *N. Caroline St.*
A. B., Ohio State University, 1906. (65)

PHYSICIANS ATTENDING SPECIAL COURSES, 1906-07

MORRIS ABRAMOVITZ. Baltimore. 1714 *Fairmount Av.*
M. D., Maryland Medical College, 1906. *Medicine, Surgical and Gynecological Pathology, Clinical Microscopy, Pathology, and Bacteriology.*

HARRY EVERETT ALDERSON. San Francisco, Cal. *The Stafford.*
M. D., University of California, 1900. *Medicine and Dermatology.*

ELMER E. BAMFORD. Centerville, Ia. 312 *N. Greene St.*
M. D., Rush Medical College, 1892. *Operative Surgery and Cystoscopy.*

J. ARTHUR BARNES. Worcester, Mass. 802 *N. Broadway.*
M. D., Harvard University, 1899. *Anatomy and Operative Surgery.*

ALBERT SQUIRE BOSWORTH. Elkins, W. Va. 1527 *McCulloh St.*
M. D., Baltimore Medical College, 1893. *Medicine.*

FRED B. BOWMAN. Dundas, Ont. 1314 *McCulloh St.*
M. B., University of Toronto, 1906. *Medicine and Bacteriology.*

WALTER M. BROWN. St. Thomas, N. D.
M. D., University of Minnesota, 1902. *Gross Anatomy.*

JAMES C. BURT. Pittsburg, Pa. *Maryland Club.*
M. D., Jefferson Medical College, 1902. *Genito-Urinary Surgery.*

RUSSELL L. CECIL. Richmond, Va. 318 *N. Broadway.*
M. D., University College of Medicine (Richmond), 1906. *Medicine, Pathology, and Bacteriology.*

EARNEST E. CLEAVER. Toronto, Ont.
M. B., University of Toronto, 1906. *Medicine and Bacteriology.*

WHEELER W. COMPTON. Bessemer, Ala. 1303 *Madison Av.*
M. D., Vanderbilt University, 1903. *Operative Surgery.*

ALEXANDER R. CRAIG. Philadelphia, Pa.
M. D., University of Pennsylvania, 1893. *Surgical Pathology.*

JAMES D. CURTIS. St. Thomas, Ont. 802 *N. Broadway.*
M. B., University of Toronto, 1894. *Operative Surgery.*

ROBERT E. DAVISON. Pittsburg, Pa.
M. D., University of Pennsylvania, 1899. *Genito-Urinary Surgery.*

THOMAS L. DISQUE. Pittsburg, Pa. 802 *N. Broadway.*
M. D., Western University of Pennsylvania, 1892. *Genito-Urinary Surgery.*

JAY I. DURAND. Atlantic City, N. J. 1021 *N. Broadway.*
M. D., University of Minnesota. *Medicine.*

JABEZ H. ELLIOTT. Toronto, Ont. 802 *N. Broadway.*
M. B., University of Toronto, 1897. *Medicine.*

HENRY C. FLEMING. Philadelphia, Pa. *Mt. Royal Apartments.*
M. D., Jefferson Medical College, 1906. *Medicine and Pathology.*

EMERSON A. FLETCHER. Buffalo, N. Y. 105 *Jackson Pl.*
M. D., University of Pennsylvania, 1892. *Genito-Urinary Surgery.*

WALTER C. FOLGER. Dobson, N. C. 132 *N. Broadway.*
M. D., Barnes Medical College (St. Louis), 1898. *Medicine.*

WILLIAM GIBSON. Kingston, Ont. 214 *N. Broadway.*
M. D. C. M., Queen's University, 1904. *Medicine.*

JOSEPH F. GRIGGS. Pittsburg, Pa. 702 *N. Broadway.*
M. D., University of Pennsylvania, 1895. *Medicine.*

JASPER HALPENNY. Winnipeg, Can. 424 *N. Broadway.*
M. D., Manitoba University, 1900. *Operative Surgery.*

GEORGE J. HANLEY. Deer River, Minn.
M. D., Bellevue Hospital Medical College, 1887. *Operative Surgery and Surgical Pathology.*

WILLIAM W. HARPER. Selma, Ala. 600 *N. Broadway.*
M. D., Tulane University, 1891. *Operative Surgery.*

EDWIN C. HENRY. Omaha, Neb. 520 *Park Av.*
M. D., Medico-Chirurgical College (Phila.), 1896. *Operative Surgery.*

DANIEL F. JACKSON. Pittsburg, Pa. 1017 *E. Madison St.*
M. D., Western University of Pennsylvania, 1902. *Gynecological Pathology.*

KENNETH KELLIE. London, England. *The Albion.*
M. B., University of Cambridge, 1905. *Medicine.*

ELIZABETH KEYS. San Francisco, Cal. *Hotel Hopkins.*
M. D., Cooper Medical College, 1899. *Medicine and Gross Anatomy.*

JOHN A. LANE. Fortuna, Cal. 410 *N. Broadway.*
M. D., Cooper Medical College, 1898. *Operative Surgery.*

M. C. K. LITTLE. Chicago, Ill. 652 *W. Lombard St.*
M. D., Chicago College of Medicine and Surgery, 1905. *Gross Anatomy.*

ALBERT LYNCH. Nehawka, Neb. 716 *N. Broadway.*
M. D., University of Michigan, 1901 *General Course.*

CHARLOTTE B. MACARTHUR. Willard, N. Y. 529 *N. Wolfe St.*
M. D., Northwestern University, 1897. *Operative Surgery.*

CATHARINE MACFARLANE. Philadelphia, Pa.
M. D., Woman's Medical College (Phila.), 1898. *Cystoscopy.*

STEPHEN A. MAHADY. Hinsdale, Mass.
M. D., Baltimore Medical College, 1902. *Medicine and Surgical Pathology.*

GEORGE W. MAHLE. Baltimore. 1903 *W. Baltimore St.*
M. D., University of Maryland, 1905. *Medicine, Pathology, and Bacteriology.*

GEORGE H. MALCOMSON. Frank, Canada. 518 *N. Broadway.*
M. D., University of Toronto, 1895. *X-Ray Diagnosis.*

EMILY MARSTON. Lahore, India. 605 *St. Paul St.*
M. D., Woman's Medical College (Phila.), 1891. *Medicine.*

ROBERT B. MCKEAGE. Scranton, Pa. 1600 *Bolton St.*
M. D., Medico-Chirurgical College (Phila.), 1893. *Medicine.*

AUSTIN MILLER. Ferndale, Cal.
M. D., Cooper Medical College, 1899. *Gross Anatomy.*

A. H. MYERS. Baltimore. 2002 *St. Paul St.*
M. D., Medico-Chirurgical College (Phila.), 1902. *Pathology and Bacteriology.*

JOHN A. NICE. Baltimore. 609 *N. Wolfe St.*
M. D., University of Maryland, 1905. *Medicine.*

EMIL NOVAK. Baltimore. 839 *N. Patterson Park Av.*
M. D., Baltimore Medical College, 1904. *Surgical Pathology.*

JOHN A. OILLE. Byng Inlet, Ont. *Hotel Hophins.*
M. B., University of Toronto, 1903, and M. D., 1904. *Medicine.*

J. WILLIAM PIERSON. Baltimore. 2806 *E. Baltimore St.*
M. D., University of Maryland, 1905. *Medicine.*

THOMAS A. POOLE. Baltimore. 236 *N. Carey St.*
M. D., College of Physicians and Surgeons (N. Y.), 1897. *Dermatology.*

MARSHALL LANGTON PRICE. Baltimore. 10 *South St.*
M. D., University of Maryland, 1902. *Bacteriology.*

FRED. O. PRYOR. Fulton, Cal. 410 *N. Broadway.*
M. D., Cooper Medical College, 1898. *Operative Surgery.*

ERICH P. QUAIN. Bismarck, N. D.
M. D., University of Minnesota, 1898. *Gross Anatomy.*

LEWIS L. REFORD. Montreal, Can. 803 *Cathedral St.*
M. D. C. M., McGill University, 1904. *Anatomy,*

ARCHIBALD M. ROBERTSON. Vancouver, B. C. *The Clifton.*
M. D. C. M., McGill University, 1885. *Dermatology.*

ROBERT C. SMEDLEY. Salt Lake City, Utah. 1014 *N. Broadway.*
M. D., Denver University, 1900. *Medicine.*

ARTHUR B. SMITH. Wellington, O.
M. D., Cleveland University of Medicine and Surgery, 1897. *Medicine and Bacteriology.*

HENRY W. TERRELL. La Grange, Ga. 105 *Jackson Pl.*
M. D., Atlanta Medical College, 1892. *Medicine.*

ANNE H. THOMAS. Philadelphia, Pa. 115 *W. Barre St.*
M. D., Woman's Medical College (Phila.), 1905. *Medicine.*

GEORGE N. THOMAS. Clendenin, W. Va. 427 *N. Broadway.*
M. D., College of Physicians and Surgeons (Balt.). *Medicine and Surgical Pathology.*

ALICE G. TROY. Worcester, Mass. 1241 *E. Monument St.*
Tufts Medical College. *Gynecological Pathology.*

HARRISON K. WALTERHOUSE. Indianapolis, Ind. 1017 *McCulloh St.*
M. D., Indiana Medical College, 1904. *Medicine.*

HILLIARD J. WASSON. Victoria, B. C.
M. D. C. M., McGill University, 1892. *Medicine.*

JAMES P. WATKINS. Opelika, Ala. 424 *N. Broadway.*
M. D., College of Physicians and Surgeons (Balt.), 1897. *Surgical Pathology.*

HARRY M. WEGEFARTH. Baltimore. 1207 *E. Monument St.*
M. D., Baltimore Medical College, 1906. *Operative Surgery and Surgical Pathology.*

HENRY L. WHITTLE. Baltimore. *Waverly.*
M. D., University of Maryland, 1903. *Pharmacology, Toxicology, and Physiol. Chemistry.*

JOHN P. WILLIAMS, JR. Nashville, Tenn. 522 *N. Broadway.*
M. D., Vanderbilt University, 1900. *Medicine.*

MARTHA A. WOOD. Galveston, Tex. 1214 *Madison Av.*
M. D., University of Texas, 1903. *Surgical Pathology.*

FRANK WOODHALL. Hamilton, Ont. 1035 *N. Broadway.*
M. D., University of Toronto, 1906. *Bacteriology.*

A. ZAKER. Cairo, Egypt. 611 *W. German St.*
M. D., University of Maryland, 1906. *Operative Surgery.*

PHYSICIANS ATTENDING SPECIAL COURSES IN JUNE, 1906

[Too late for the Register for 1905-06]

NORBERT J. AMYOT. Bell River, Ont.
M. B., University of Toronto, 1895. *Medicine.*

MARY BAER. Guntur, India.
M. D., Woman's Medical College (Phila.), 1894. *Operative Surgery, Surgical Pathology, and Cystoscopy.*

J. MORTIMER BESSEY. Toledo, O.
M. D., Howard University, 1883. *Medicine.*

LOUIS E. BROUGHTON. Andalusia, Ala.
M. D., Tulane University, 1893. *Medicine.*

MYLES A. GIBBONS. Scranton, Pa.
M. D., Jefferson Medical College, 1902. *Medicine.*

FIELD V. GREMILLION. Alexandria, La.
M. D., Tulane University, 1906. *Medicine.*

ORANGE K. JUDD. Little Rock, Ark.
M. D., University of Arkansas, 1905. *Medicine.*

M. THOMAS LANAUX. New Orleans, La.
M. D., Tulane University, 1906. *Medicine.*

VELPEAU LANGLEY. Camphill, Ala.
M. D., Baltimore Medical College, 1893. *Medicine.*

ALPHEUS S. LOVETT. Paris, Ont.
M. B., University of Toronto, 1898. *Medicine.*

LESLIE L. LUMSDEN. Baltimore.
M. D., University of Virginia, 1894. *Medicine.*

LEWIS H. MARKS. New Orleans, La.
M. D., Tulane University, 1906. *Clinical Microscopy.*

ROBERT B. MCKEAGE. Scranton, Pa.
M. D., Medico-Chirurgical College (Phila.), 1893. *Medicine.*

STEPHEN R. PIETROWICZ. Chicago, Ill.
M. D., College of Physicians and Surgeons (Chicago), 1898. *Medicine.*

JAMES A. TAGGERT. Salamanca, N. Y.
University of Buffalo, 1896. *Medicine.*

DON A. VANDERHOOF. Byron, Ill.
M. D., Rush Medical College, 1903. *Medicine.*

HERBERT B. WOODWARD. La Grange, Ill.
M. D., Hahnemann Medical College, (Chicago), 1897. *Medicine.*

JOHN S. WRIGHT. Little Valley, N. Y.
M. B., University of Toronto, 1897. *Medicine.*

UNDERGRADUATE STUDENTS

MATRICULATES

ALFRED GORDON ARMSTRONG. Baltimore. 1700 *Bolton St.*
Baltimore City College. *Group V.*

JAMES BAILY. Baltimore. 2125 *Maryland Av.*
Baltimore Country School. *Group V.*

CARL LEWIS BERNHARDT. Richmond, Ind. 11½ *W. Biddle St.*
Earlham College. *Group III.*

WILLIAM EDWIN BIRD, JR. Baltimore. 412 *E. Randall St.*
Baltimore City College. *Group V.*

ARTHUR LEONARD BLOOMFIELD. Baltimore. 861 *Park Av.*
Boys' Latin School. *Group V.*

ISIDOR BLUM. Baltimore. 1816 *Madison Av.*
Baltimore City College. *Group III.*

OSCAR ELLIS BRANSKY. Baltimore. 2049 *Wilkens Av.*
Baltimore City College. *Group V.*

BENJAMIN FRANCIS PARLETT BRENTON. Baltimore. 722 *W. Fayette St.*
Baltimore City College. *Group V.*

FRANK GOTTLOB BREYER. Baltimore. 827 *Edmondson Av.*
Baltimore City College. *Group V.*

EVELETH WILSON BRIDGMAN. Baltimore County. *Woodbrook.*
Baltimore City College. *Group V.*

HARRY LINGAN CAPLES. Baltimore County. *Cockeysville.*
The Deichmann School. *Group III.*

ALAN MASON CHESNEY. Baltimore. 1821 *Bolton St.*
Baltimore City College. *Group V.*

SAMUEL CLAGGETT CHEW, JR. Baltimore. 215 *W. Lanvale St.*
Boys' Latin School. *Group III.*

JACOB COHEN. Baltimore. 1000 *N. Gay St.*
Baltimore City College. *Group V.*

CHARLES WYTHE COOKE. Front Royal, Va. 1309 *John St.*
Baltimore City College. *Group IV.*

JOHN ALDEN CRANE. Baltimore County. *Pikesville.*
University School. *Group II.*

CARL MARTIN DISTLER. Baltimore. 245 *S. Broadway.*
Baltimore City College. *Group IV.*

ERNEST POHL DOETSCH. Baltimore. 733 *W. Lombard St.*
The Deichmann School. *Group V.*

DANIEL ELLISON. Baltimore. 1627 *E. Madison St.*
Baltimore City College. *Group IV.*

MILTON STRAUSS ERLANGER. Baltimore. *The Cecil, N. Eutaw St.*
University School. *Group IV.*

ABIATHAR WILLIAM FIELD. Baltimore. 2117 *12th St., Walbrook.*
University of Wisconsin. *Group III.*

ALLAN HERBERT FISHER. Baltimore. 2228 *Druid Hill Av.*
Baltimore City College. *Group III.*

ALBERT JOSEPH FLEISCHMANN. Baltimore. 1508 *Bolton St.*
Baltimore City College. *Group III.*

SAMUEL FREDMAN. Baltimore. 2011 *McCulloh St.*
Baltimore City College. *Group I.*

HENRY FINDLAY FRENCH. Baltimore. 1016 *Cathedral St.*
Baltimore Country School. *Group III.*

HIRAM FRIED. Baltimore. 305 *N. Gay St.*
The Deichmann School. *Group V.*

ROGERS HARRISON GALT, JR. Williamsburg, Va. 1801 *Linden Av.*
Lynchburg High School. *Group IV.*

JOHN SLADE GERMAN. Baltimore. 3634 *Falls Road.*
The Deichmann School. *Group I.*

WALLIS GIFFEN. Baltimore. 1004 *N. Charles St.*
Boys' Latin School. *Group III.*

WILLIAM RICKERT GLEN. Baltimore. 2518 *Pennsylvania Av.*
Baltimore City College. *Group III.*

WILLIAM STUART GORTON. Baltimore. 823 *Newington Av.*
Baltimore City College. *Group IV.*

CLARENCE PEMBROKE GOULD. Baltimore. 508 *E. Twenty-third St.*
Baltimore City College. *Group III.*

ALBERT GRAUER. Baltimore. 1029 *N. Broadway.*
Baltimore City College. *Group V.*

JOSEPH ELLIOTT GREEN. Baltimore. 3333 *Chestnut Av., Hampden.*
Baltimore City College. *Group II.*

LEO JULIUS GUTMAN. Baltimore. 1714 *Eutaw Pl.*
Baltimore City College. *Group IV.*

WESTON O'BRIEN HARDING. Baltimore. 142 *N. Broadway.*
Baltimore City College. *Group I.*

HENRY PATTERSON HARRIS. Baltimore. 511 *Park Av.*
Baltimore Country School. *Group III.*

ALFRED BOUCSEIN HAUPT. Anne Arundel County. *Jessup.*
Baltimore City College. *Group IV.*

MORTON EMANUEL HECHT. Baltimore. 1616 *Eutaw Pl.*
University School. *Group V.*

ERNEST SINGLETON HENDRY. Washington, D. C. 422 *Mosher St.*
Columbian University. *Group IV.*

EDWARD TREMAINE HILLS. Baltimore. 1610 *John Street.*
Baltimore City College. *Group III.*

FRANK GLEN HOLMES. Baltimore. 1629 *Mulberry St.*
Baltimore City College. *Group III.*

HERMAN JAMES HUGHES. Baltimore. 132 *S. Patterson Park Av.*
Boys' Latin School. *Group III.*

JOHN FREDERICK HUNTER. Baltimore. 807 *N. Fremont Av.*
Baltimore City College. *Group IV.*

WARREN BELKNAP HUNTING. Baltimore. 34 *W. Twenty-fifth St.*
University School. *Group III.*

HENRY PARR HYNSON, JR. Baltimore. 504 *Forest R'd, Roland P'k.*
Boys' Latin School. *Group III.*

IREDELL WADDELL IGLEHART. Baltimore. 12 *E. Lafayette Av.*
Baltimore Country School. *Group III.*

WALTER VINCENT JOHNSON. Baltimore. 2015 *St. Paul St.*
Baltimore City College. *Group III.*

CALEB GUYER KELLY. Baltimore. 2010 *Linden Av.*
Baltimore City College. *Group II.*

ARTHUR RUSSELL KNIPP. Baltimore. 2510 *Druid Hill Av.*
Baltimore City College. *Group IV.*

HENRY HOFMANN LOOS. Baltimore. 524 *N. Pine St.*
Baltimore City College. *Group V.*

EDMUND CALVERT LYNCH. Baltimore. 2645 *N. Charles St.*
Baltimore Polytechnic Institute. *Group V.*

DONALD MACKENZIE. Weatherford, Texas. 1221 *Madison Av.*
Hughey and Turner School. *Group V.*

RICHARD MACSHERRY. Baltimore County. *Roland Park.*
Boys' Latin School. *Group III.*

ARTHUR HERMAN MANN. Louisville, Ky. 807 *Lennox St.*
Louisville High School. *Group III.*

WILLIAM HENNICK MARTIN. Baltimore. 740 *Dolphin St.*
Baltimore City College. *Group III.*

WILLIAM BOSE MARYE. Baltimore. 14 *E. Preston St.*
University School. *Group I.*

CHARLES MCCURDY MATHIAS. Thurmont. 1915 *Park Av.*
University School. *Group III.*

ROBERT HENRY MCCAULEY. Hagerstown. 1211 *Madison Av.*
Washington County High School. *Group III.*

JOHN BEAVER MERTIE, JR. Raton, N. Mex. 843 *Hamilton Terr.*
Baltimore City College. *Group V.*

DANIEL MILLER. Baltimore. 605 *Park Av.*
Boys' Latin School. *Group III.*

THOMAS ADDIS EMMET MOSELEY. Baltimore. 614 *N. Howard St.*
The Wolfe School. *Group II.*

HERBERT LEVY MOSES. Baltimore. 2216 *Callow Av.*
Baltimore City College. *Group V.*

WALTER EMIL MYERS. Baltimore. 1421 *W. Franklin St.*
Baltimore City College. *Group II.*

EDWARD WILLIAM ORTMANN. Baltimore. 1713 *Fairmount Av.*
Baltimore City College. *Group IV.*

ROBERT MILTON OVERBECK. Baltimore County. *Govans.*
Baltimore City College. *Group IV.*

JAMES HAMILTON OWENS. Baltimore. 140 *Mosher St.*
Baltimore City College. *Group III.*

ARTHUR RANKIN PADGETT. Baltimore. 920 *W. North Av.*
Baltimore City College. *Group III.*

BERNARD MARK PARELHOFF. Baltimore. 812 *W. Lombard St.*
Baltimore City College. *Group IV.*

PETER PECK. Baltimore. 736 *N. Eutaw St.*
Private Instruction. *Group III.*

FRANKLIN BURCHE PEDRICK. Washington, D. C. 851 *Park Av.*
Washington High School. *Group V.*

LE GRAND WINFIELD PERCE, JR. Chicago, Ill. 1015 *Madison Av.*
Boys' Latin School. *Group III.*

CHARLES FREDERICK PIETSCH. Baltimore. 756 *Reservoir St.*
Baltimore City College. *Group V.*

WILLIAM PLEET. Baltimore. 1531 *E. Pratt St.*
Baltimore City College. *Group III.*

ISAAC POTTS. Baltimore. 2110 *E. Monument St.*
The Deichmann School. *Group V.*

HERBERT BRYAN PRICE. Haydens. 1617 *Madison Av.*
The Deichmann School. *Group V.*

GEORGE PITTS RALEIGH. Baltimore. 2212 *Eutaw Pl.*
Baltimore City College. *Group III.*

WILLIAM ANDREW AUGUST REINHARDT. Baltimore. 1339 *Hull St.*
Baltimore City College. *Group V.*

LEONEL FOSQUE REVELL. Baltimore. 2840 *St. Paul St.*
Boys' Latin School. *Group III.*

STANLEY MEADE REYNOLDS. Baltimore. 809 *N. Charles St.*
Baltimore City College. *Group III.*

JULIAN WHITE RIDGELY. Baltimore County. *Towson.*
Baltimore Country School. *Group III.*

HERMAN FREDERICK ROLKER. Baltimore. 612 *S. Paca St.*
Baltimore City College. *Group V.*

FRANK SAIONTZ. Baltimore. 107 *N. High St.*
Baltimore City College. *Group III.*

GEORGE WILLIAM SATTLER, JR. Baltimore. 2519 *N. Charles St.*
Baltimore Country School. *Group IV.*

HARRY CHRISTIAN SCHMEISSER. Baltimore. 2401 *Eutaw Pl.*
Friends' School. *Group V.*

PHILIP SCHNEEBERGER. Baltimore. 2014 *McCulloh St.*
Baltimore City College. *Group V.*

GEORGE HENRY CHARLES SCHWARTZ. Baltimore. 121 *N. Schroeder St.*
Baltimore City College. *Group II.*

REGINALD OLIVER SELLMAN. Baltimore. *The Mount Royal.*
Boys' Latin School. *Group V.*

KARL SINGEWALD. Baltimore. 318 *S. Broadway.*
Baltimore City College. *Group III.*

JOSEPH EDWARD SNYDER. Baltimore. 1506 *N. Broadway.*
The Deichmann School. *Group I.*

HENRY SONNEBORN, JR. Baltimore. 1608 *Eutaw Pl.*
Private Instruction. *Group V.*

JORDAN HERBERT STABLER. Baltimore. 339 *Dolphin St.*
Baltimore Country School. *Group III.*

GEORGE ADOLPH STEWART. Baltimore. 522 *N. Carey St.*
Baltimore City College. *Group V.*

WARREN ADAMS STEWART. Baltimore. 2213 *St. Paul St.*
Baltimore City College. *Group III.*

WILMER THEODORE STONE. Baltimore County. *Towson.*
Baltimore Polytechnic Institute. *Group II.*

DAVID CORBIN STREETT. Baltimore. 712 *Park Av.*
Baltimore City College. *Group V.*

DAVID ELI STROUSE. Baltimore. 1617 *Madison Av.*
University School. *Group V.*

CHANNING ELLSWORTH SWEITZER. Glen Rock, Pa. 1211 *Madison Av.*
York Collegiate Institute. *Group II.*

PHILIP LOUIS SYKES. Baltimore. 115 *N. Bond St.*
Baltimore City College. *Group II.*

MARTILLUS H. TODD. Baltimore. 1202 *E. Monument St.*
Baltimore City College. *Group V.*

JOSEPH TODHUNTER WARE. Baltimore. 1930 *Madison Av.*
Baltimore City College. *Group II.*

HORACE WINFIELD WEBSTER. Baltimore. 15 *N. Chester St.*
The Deichmann School. *Group V.*

PAUL WEGEFARTH. Baltimore. 2031 *Eutaw Pl.*
Baltimore City College. *Group III.*

FRANKLIN PIERCE WHITCRAFT, JR. Baltimore. 1302 *W. Lexington St.*
Baltimore City College. *Group III.*

WILLIAM Z. WHITE. Baltimore. 601 *E. Biddle St.*
Baltimore City College. *Group III.*

THEODORE SINCLAR WILL. Baltimore. 1824 *Edmondson Av.*
Deichmann's School. *Group I.*

RALPH COPLESTONE WILLIAMS. Baltimore. 1315 *N. Charles St.*
Baltimore City College. *Group II.*

JOSEPH PURDON WRIGHT. Baltimore. 1700 *Guilford Av.*
Baltimore City College; LL. B., University of Maryland, 1905. *Group III.*

Candidates for Matriculation

George Hinman Abel. Baltimore. *Charles St. Av.* (*P. O. Sta. L.*).
Boys' Latin School. *Group IV.*

Thomas Horatio Bevan. Baltimore County. *Arlington.*
Marston's University School. *Group III.*

George William Bishop. Baltimore. 1424 *Nicholson St.*
Boys' Latin School. *Group V.*

John Merryman Black. Baltimore County. *Cockeysville.*
Lawrenceville School. *Group II.*

Walter Lipps Blanck. Baltimore. 520 *N. Fulton Av.*
The Deichmann School. *Group V.*

William Lunsdon Bond. Baltimore County. *Station E.*
Boys' Latin School. *Group IV.*

Nathaniel Hawley Brush. Baltimore County. *Towson.*
Boys' Latin School. *Group V.*

George Washington Corner, 3d. Baltimore County. *Roland Park.*
Boys' Latin School. *Group II.*

Harry Vail Deale. Baltimore. 2429 *Maryland Av.*
Baltimore City College. *Group IV.*

Edmund Dolewczynski. Baltimore. 1741 *Canton Av.*
University of Chicago. *Group II.*

Daniel Lepson Ennis. Baltimore. 623 *N. Carrollton Av.*
The Deichmann School. *Group I.*

Charles Carter Field, Jr. Baltimore. 304 *Robert St.*
Baltimore City College. *Group III.*

Henry S. Frank. Baltimore. 1503 *Eutaw Pl.*
Baltimore City College, 1905. *Group III.*

Henry Warren Frey. York, Pa. 1326 *N. Mount St.*
York High School. *Group II.*

Frank Newcomer Hack. Baltimore. 1211 *St. Paul St.*
University School. *Group III.*

Henry Kellogg Hardcastle. Denver, Colo. 11½ *W. Biddle St.*
Baltimore Country School. *Group IV.*

Oliver Baker Hopkins. Montevideo, Va. 232 *Laurens St.*
Baltimore City College. *Group III.*

Robert Matthews Larrimore. Baltimore. 629 *N. Fulton Av.*
Boys' Latin School. *Group I.*

Carl Henry Levan. Baltimore. 306 *E. Twenty-third St.*
Baltimore City College. *Group II.*

Robert Glynn Lowndes. Howard County. *St. Denis.*
Marston's University School. *Group III.*

Russell Flint Maddren. Brooklyn, N. Y. 306 *W. Lanvale St.*
Polytechnic Preparatory School, Brooklyn. *Group V.*

SELWYN WILLIAM MARCUS. Baltimore. 2249 *Eutaw Pl.*
University School. *Group III.*

NORMAN CLYDE MARVEL. Talbot County. 728 *Dolphin St.*
Deichmann's School. *Group V.*

WILLIAM HOWARD MICHAEL. Harford County. 11½ *W. Biddle St.*
St. James School. *Group V.*

FRANCIS KEY MURRAY. Howard County. *Elk Ridge.*
Baltimore Country School. *Group. I.*

GEORGE FRANKLIN ONION. Baltimore. 137 *E. North Av.*
Deichmann's School. *Group III.*

WILLIAM EDWARD PEARCE, JR. Baltimore. 1065 *Myrtle Av.*
Friends' School. *Group I.*

FERDINAND OSCAR WOLFGANG REINHARD. Baltimore. 1400 *Linden Av.*
Boys' Latin School. *Group V.*

LAWRENCE MELVILLE RIDDLE. Baltimore County. 2102 *Eutaw Pl.*
Maryland School for the Blind. *Group II.*

HAROLD L. RUSSELL. Baltimore. 517 *E. Thirtieth St.*
State Normal School; Deichmann's School. *Group III.*

F. JANNEY SMITH. Baltimore County. 1007 *Madison Av.*
Jacob Tome Institute. *Group V.*

WILLIAM DONNELL STEWART. Baltimore. 329 *Dolphin St.*
Marston's University School. *Group III.*

RICHARD LLOYD TILGHMAN. Easton. 36 *W. Biddle St.*
University School. *Group III.*

AUGUST VOGELER. Baltimore. 1501 *Park Av.*
Wolfe's School. *Group III.*

BENJAMIN FRANCIS WEEMS, JR. Houston, Texas. 1221 *Madison Av.*
Houston High School. *Group V.*

FRANCIS THOMAS WILLIAMS. Poolesville. 1417 *W. Mulberry St.*
The Deichmann School. *Group V.*

ALAN CHURCHILL WOODS. Baltimore. 842 *Park Av.*
Boys' Latin School. *Group V.*

HAMILTON BOYD WYLIE, JR. Baltimore. 303 *Robert St.*
The Deichmann School. *Group V.*

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SPECIAL STUDENTS

MAURICE ZACHARIAS BAIR. Hanover, Pa. 1423 *Madison Av.*
United States Naval Academy. *Group IV.*

WILLIAM SEBASTIAN GRAFF BAKER, JR. Baltimore Co. *Roland Park.*
Cleobury Mortimer College (England). *Group IV.*

BROOKER GWATHMEY BIRD. Baltimore. 8 *E. Biddle St.*
Boys' Latin School. *Group IV.*

BENJAMIN SNIVELY BONEBRAKE. Baltimore. 1508 *Eutaw Pl.*
Marston's University School. *Group IV.*

GEORGE MOTTU CHANDLEE. Baltimore. 3115 *Clifton Av.*
Baltimore City College. *Group V.*

JOHN WESLEY COLE. Baltimore. 735 *N. Fulton Av.*
Group II.

WILLIAM ANDREW CROMWELL. Baltimore. 1910 *Edmondson Av.*
Baltimore City College. *Group V.*

WALTER SWINDELL DAVIS. Baltimore. 802 *N. Carrollton Av.*
Baltimore City College. *Group IV.*

ALEXANDER MURDOCH GOW. Seattle, Wash. 27 *W. Chase St.*
University of Washington. *Group II.*

EDWARD P. GUERARD, JR. Charleston, S. C. 2000 *N. Charles St.*
University of the South. *Group III.*

JOSEPH BANCROFT HILL. Baltimore. 2120 *N. Charles St.*
Marston's University School. *Group IV.*

JOHN MALLORY HOLMES. Baltimore. 1622 *Harlem Av.*
Baltimore City College, 1904. *Group III.*

ALBERT DAVID HUTZLER. Baltimore. 1801 *Eutaw Pl.*
Friends' School. *Group IV.*

WILLIAM AUGUST MARBURG of A. Baltimore. 1111 *St. Paul St.*
Boys' Latin School. *Group III.*

JULIAN HILLEARY MAYNARD. Baltimore. 307 *W. Lanvale St.*
Baltimore City College. *Group V.*

AARON ROBINSON. Baltimore. 1100 *E. Fayette St.*
Baltimore City College. *Group III.*

PAUL WILLIAM CRONHARDT SCHMIDT. Baltimore County. *Hamilton.*
University of Virginia. *Chemistry.*

WILLIS THOMPSON. Baltimore. 2509 *Maryland Av.*
Baltimore City College. *English and Philosophy.*

FREDERICK BEVAN TOUGH. Baltimore. 2311 *N. Charles St.*
The Deichmann School. *Group IV.*

THOMAS LAMB WOODALL. Baltimore. 513 *W. Franklin St.*
Baltimore City College. *Group V.*

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ATTENDANT ON SINGLE COURSE

JOHN HOWARD BRAMBLE. Baltimore. 1108 *E. Twentieth St.*
Baltimore City College. *Physics.*

GOVERNMENT OF THE JOHNS HOPKINS UNIVERSITY

FOR THE YEAR 1906–07.

TRUSTEES

The Trustees are the ultimate source of authority in all matters pertaining to the University. They act collectively, through the standing committees named on page 2, and through the President of the University.

PRESIDENT

Ira Remsen

The duties of this office were thus defined by the Trustees, September 14, 1876.

The President of the University is the authorized means of communication between the Board and the various officers of instruction and administration employed in the University; it shall be his duty to consult with the Professors in respect to the development of their various departments and the general interests of the University; to determine the appropriate duties of the Associates and Fellows; and to exercise such superintendence over the buildings, apparatus, books, and other property as will insure their protection and appropriate use. In respect to these matters and all others which concern the welfare of the University, he shall consult frequently with the Executive Committee, and he shall attend the meetings of the Board of Trustees. Purchases, alterations, repairs, and other incidental expenses must not be ordered by any of the officers of the University without his previous assent, or the expressed authority of the Board.

By resolution of the Trustees, May 2, 1892, the President of the University was constituted a member *ex officio* of the Board, and also *ex officio* a member of the Executive Committee.

ACADEMIC COUNCIL

Ira Remsen (*Pres.*)	E. H. Griffin (*Sec'y*)	J. S. Ames
B. L. Gildersleeve	A. M. Elliott	Maurice Bloomfield
Paul Haupt	Henry Wood	J. W. Bright
W. H. Welch	W. B. Clark	J. M. Baldwin

By authority of the Trustees, the Academic Council (now consisting of the President and eleven Professors) has met since the organization of the University to guide the various departments of study, to select the Fellows, and to act upon such other matters as may be brought before them.

BOARD OF UNIVERSITY STUDIES

Ira Remsen (*Pres.*)	J. S. Ames	H. L. Wilson
B. L. Gildersleeve	Frank Morley	C. M. Andrews
Paul Haupt	H. F. Reid	E. H. Spieker
W. H. Welch	R. W. Wood	E. A. Andrews
E. H. Griffin	K. F. Smith	C. W. E. Miller
W. K. Brooks	J. M. Baldwin	B. J. Vos
Maurice Bloomfield	G. M. Stratton	Christopher Johnston
A. M. Elliott	J. H. Hollander	E. C. Armstrong
H. N. Morse	E. B. Mathews	Philip Ogden
Henry Wood	H. C. Jones	J. B. Whitehead
W. H. Howell	J. M. Vincent	H. S. Jennings
J. W. Bright	C. C. Marden	J. C. Ballagh
W. Hand Browne	W. W. Willoughby	C. Grave
W. B. Clark	D. S. Johnson	G. E. Barnett

By request of the Academic Council (October 8, 1883), this Board, consisting of the President, thirty-one Professors and eleven Associate Professors, has charge of the arrangements for the instruction of graduate students, and of the examinations for the degree of Doctor of Philosophy.

ADVISORY BOARD OF THE MEDICAL FACULTY

Ira Remsen (*Pres.*)	H. A. Kelly	W. H. Howell (*Dean*)
W. H. Welch	F. P. Mall	J. W. Williams
H. M. Hurd	J. J. Abel	L. F. Barker
W. S. Halsted	W. K. Brooks	

This Board was constituted by resolution of the Trustees (April 3, 1893) "to report to the Trustees from time to time their suggestions, and to prepare and carry forward the proper arrangements for the instruction and graduation of medical students."

BOARD OF MEDICAL STUDIES

Ira Remsen (*Pres.*)	T. C. Gilchrist	A. S. Loevenhart
W. H. Welch	H. J. Berkley	W. W. Ford
H. M. Hurd	J. M. T. Finney	M. Brödel
H. A. Kelly	R. G. Harrison	F. R. Smith
W. K. Brooks	W. W. Russell	G. L. Hunner
W. S. Halsted	T. S. Cullen	Samuel Amberg
J. J. Abel	R. L. Randolph	C. P. Emerson
W. H. Howell	T. B. Futcher	H. O. Reik
F. P. Mall	Walter Jones	L. P. Hamburger
J. W. Williams	W. G. MacCallum	T. R. Brown
L. F. Barker	J. C. Bloodgood	R. I. Cole
W. S. Thayer	Harvey Cushing	W. S. Baer
W. D. Booker	P. M. Dawson	George Walker
J. N. Mackenzie	H. H. Young	R. H. Follis
Samuel Theobald	W. H. Lewis	J. M. Slemons
H. M. Thomas	F. R. Sabin	T. R. Boggs
J. W. Lord	Thomas McCrae	F. H. Baetjer

This Board was created by resolution of the Trustees, January 6, 1902. It consists of the professors, clinical professors, associate professors and associates in the medical department, and its functions are especially the consideration of the courses of instruction.

BOARD OF COLLEGIATE STUDIES

Ira Remsen (*Pres.*)	K. F. Smith	B. J. Vos
E. H. Griffin (*Dean*)	J. H. Hollander	W. J. A. Bliss
A. M. Elliott	J. M. Vincent	J. C. Ballagh
H. N. Morse	C. C. Marden	J. E. Gilpin
Henry Wood	E. B. Matthews	M. P. Brush
Edward Renouf	H. L. Wilson	C. K. Swartz
W. Hand Browne	E. H. Spieker (*Sec'y*)	J. C. French
H. E. Greene	E. A. Andrews	R. T. Abercrombie
J. S. Ames	L. S. Hulburt	A. B. Coble

By request of the Academic Council (May 13, 1892), the Board of Collegiate Studies, consisting of the President and of representatives from each of the chief departments of undergraduate study, confers upon

the progress made by the undergraduate and special students, and conducts the examinations for matriculation and for the baccalaureate degree, under the direction of the Academic Council. The other teachers of undergraduates may be called in from time to time to consult.

An Executive Committee acts for the Board on all routine matters, and now consists of E. H. Griffin, E. Renouf, E. H. Spieker, and R. T. Abercrombie.

COMMITTEE ON THE LIBRARY

Ira Remsen (*Pres.*) W. Hand Browne N. Murray, (*Sec'y*)
B. L. Gildersleeve

COMMITTEE ON THE GYMNASIUM

Ira Remsen (*Pres.*) H. F. Reid R. T. Abercrombie
E. Renouf

ADVISORY BOARD OF THE YOUNG MEN'S CHRISTIAN ASSOCIATION

Ira Remsen (*Pres.*) E. H. Griffin (*Sec'y*) C. K. Swartz
Eugene Levering

OTHER OFFICERS

TREASURER OF THE UNIVERSITY

Charles J. Meyer

REGISTRAR

Thomas R. Ball

SUMMARY

Faculty, 1906–07

President and Professors,	43
Clinical Professors,	7
Associate Professors,	33
Associates,	28
Instructors and Assistants,	63
Lecturers,	24
	198

Students Enrolled, 1906–07

Graduate Students:		
Fellows by Courtesy,	5	
Fellows,	20	
Other Graduate Students in Philosophy,	133	
Candidates for the degree of M. D.,	263	
Physicians attending Special Courses,*	84	
		505
Undergraduates:		
Candidates for the degree of A. B.,	146	
Not Candidates for a degree,	21	
		167
		672
Counted twice,		1
Total,		671

*Including 18 entering in 1906 after the issue of the last Register.

Geographical Distribution of the Students

Maryland (Baltimore, 214)	257	Michigan,	4
Pennsylvania,	54	Washington,	4
Virginia,	38	Kentucky,	3
New York,	32	Louisiana,	3
Ohio,	19	Mississippi,	3
Connecticut,	17	New Hampshire,	3
California,	14	North Dakota,	3
North Carolina,	14	Oregon,	3
Illinois,	13	Tennessee,	3
Wisconsin,	13	Delaware,	2
Alabama,	12	Florida,	2
South Carolina,	12	Rhode Island,	2
Georgia,	11	Utah,	2
Indiana,	11	Colorado,	1
District of Columbia,	10	New Mexico,	1
Iowa,	10	Montana,	1
New Jersey,	10	South Dakota,	1
Massachusetts,	9	Vermont,	1
Texas,	9		
Missouri,	8		
Maine,	7	Canada,	15
West Virginia,	7	England,	2
Minnesota,	6	India,	2
Arkansas,	5	Egypt,	1
Nebraska,	5	France,	1
Kansas,	4	Germany,	1

INSTITUTIONS IN WHICH THE STUDENTS WERE GRADUATED

Adelbert College,	2	Dalhousie University,	1
Alabama Polytechnic Inst.,	2	Dartmouth College,	4
Alabama, University of,	3	Davidson College,	4
Albion College,	1	Delaware College,	1
Allegheny College,	1	Denver, University of,	1
Alma College,	1	De Pauw University,	2
Amherst College,	1	Dickinson College,	7
Arkansas, University of,	2	Drake University,	1
Atlanta Med. College,	1	Earlham College,	1
Baldwin University,	1	Emory College,	4
Baltimore Medical Coll.,	4	Erskine College,	1
Barnes Medical College,	1	Fargo College,	1
Bellevue Hosp. Med. Coll.,	1	Florida State College,	1
Beloit College,	1	France, University of,	1
Boston University,	1	Franklin and Marshall Coll.,	3
Bowdoin College,	5	Georgia, University of,	6
Breslau, University of,	1	Goerlitz Gymnasium,	1
Brown University,	3	Guilford College,	1
Bryn Mawr College,	3	Hahnemann Medical College, (Chicago),	1
Bucknell University,	1	Hamilton College,	2
Buffalo, University of,	1	Hamline University,	2
California, University of,	6	Hampden-Sidney College,	3
Cambridge (Eng.) Univ. of,	1	Hanover College,	1
Carleton College,	1	Harvard University,	10
Catholic University (Paris),	1	Haverford College,	3
Central College (Mo.),	1	Howard College (Ala.),	1
Central University (Ky.),	3	Howard University (D. C.),	1
Charleston College,	2	Illinois, University of,	1
Chicago Coll. of Med. and Surg.,	1	Indiana Medical Coll.,	1
Chicago, University of,	1	Indiana University,	2
Christian University (Mo.),	1	Iowa College,	2
Cincinnati, University of,	1	Iowa State University,	4
Clemson College,	2	Iowa Wesleyan University,	1
Cleveland Univ. of Med. and Surg.,	1	Johns Hopkins University,	58
Coe College,	1	Jefferson Medical Coll.,	3
Colgate University,	1	Kansas, University of,	4
Columbia University,	5	Kentucky State College,	1
Columbia (S. C.) Theol. Sem.,	1	Kenyon College,	1
Columbian University,	2	Knox College,	1
Converse College,	1	Lafayette College,	5
Cooper Medical Coll.,	4	Lake Forest College,	2
Cornell University,	4	Lebanon Valley College,	1
Cotner University,	1		

Lehigh University,	1	Randolph-Macon College,	8
Leland Stanford, Jr., Univ.,	4	Richmond College,	5
Loyola College,	3	Ripon College,	1
Luther College,	2	Roanoke College,	1
Lyons, University of,	1	Rochester, University of,	6
Manitoba, University of,	1	Rock Hill College,	2
Marietta College,	1	Rush Medical College,	2
Maryland Agricultural Coll.,	2	Rutgers College,	3
Maryland Medical Coll.,	1	Scio College,	1
Maryland, University of,	7	South Carolina Coll.,	3
McGill University,	3	South Dakota Agric. Coll.,	1
Medico-Chirurgical Coll. (Phila),	3	South Dakota, University of,	1
Miami University,	1	Southern University,	1
Michigan, University of,	3	St. John's College (Md.),	7
Minnesota, University of,	3	St. John's College (N. Y.),	1
Mississippi College,	1	St. Louis University,	2
Mississippi, Univ. of,	1	St. Olaf College,	1
Montana Agricultural Coll.,	1	St. Xavier's College (O.),	1
Mt. Allison College,	1	Texas, University of,	6
Mt. Holyoke College,	1	Toronto, University of,	10
Mt. St. Joseph Coll. (Balt.),	1	Trinity College (Conn.),	1
Mt. St. Mary's College,	1	Trinity College (N. C.),	1
Nashville, University of,	2	Tufts College,	1
Nebraska, University of,	3	Tulane University,	5
Newberry College,	1	University Coll. of Med. (Va.),	1
New York University,	3	Ursinus College,	1
North Carolina A. & M. Coll.,	1	Utah, University of,	1
North Carolina, Univ. of,	8	Valparaiso College,	1
North Dakota, Univ. of,	1	Vanderbilt University,	3
Northwestern University,	2	Vermont, University of,	1
Notre Dame, University of,	1	Virginia Military Inst.,	1
Oberlin College,	1	Virginia Polytechnic Inst.,	2
Ohio State University,	4	Virginia, University of,	8
Ohio University,	2	Wabash College,	2
Ohio Wesleyan University,	1	Wake Forest College,	2
Oregon, University of,	1	Washburn College,	1
Oxford, University of,	2	Washington Christian Coll.,	1
Pennsylvania College,	8	Washington & Jefferson Coll.,	6
Pennsylvania, University of,	6	Washington & Lee Univ.,	6
Phys. & Surg. (Balt.), Coll. of,	3	Wellesley College,	1
Phys. & Surg. (Chicago), Coll.	1	Wesleyan University (Conn.),	7
Phys. & Surg. (N. Y.), Coll. of,	1	Western Maryland College,	2
Princeton University,	9	Western University of Pa.,	3
Purdue University,	3	Westminster College (Pa.),	3
Queen's Univ. (Ont.),	1	West Virginia Univ.,	4

Whitworth College, - -	1	Wisconsin, University of, -	10
Wiesbaden Gymnasium, -	1	Woman's Coll. of Baltimore, .	1
William & Mary Coll., - -	1	Woman's Med. Coll. (Phila.),	4
William Jewell Coll., - -	3	Wooster University, - -	2
Williams College, - - -	7	Yale University, - - -	25

JOHNSTON SCHOLARS

The Johnston Scholarships (three in number) were established in 1904 in accordance with the will of Mrs. Harriet Lane Johnston, once a resident of Baltimore, who bequeathed the sum of $90,000, in memory of her husband, Henry E. Johnston, and her sons, Henry E. Johnston, Jr. and James Buchanan Johnston.

When the institution is not named, this university is to be understood. The figures in brackets indicate the tenure of the scholarship. (F) indicates that the person has held a university fellowship here.

Solomon Farley Acree, Ph. D., Assoc. in Chemistry. [1904-06]
Henry Shoemaker Conard, Ph. D., Prof. of Botany and Bacteriology, Iowa Coll. [1904-06]
Isaac Woodbridge Riley, Ph. D., Henry E. Johnston Jr. Scholar. [1904-07]
Ralph Stayner Lillie, Ph. D., James Buchanan Johnston Scholar. [1906-07]
Samuel Grant Oliphant, Ph. D., (F), Henry E. Johnston Scholar. [1906-07]

FELLOWS

ADAM T. BRUCE FELLOWS IN BIOLOGY

The Bruce Fellowship was instituted by a gift of $10,000, made in 1887 by Mrs. Bruce, of New York, to commemorate the name of her son, Adam T. Bruce, Jr., Ph. D., Fellow in Biology, 1883-84, and Instructor, 1886-87.

When the institution is not named, this university is to be understood. The figures in brackets indicate the tenure of the fellowship. (F) indicates that the person has held a university fellowship here.

Henry Van Peters Wilson, Ph. D., (F), Prof. of Biology, Univ. of N. C. [1888-89]
Shozaburo Watase, Ph. D., (F), Prof. of Zoology, Univ. of Tokyo. [1889-90]
Thomas Hunt Morgan, Ph. D., (F), Prof. of Experimental Zoology, Columbia Univ. [1890-91] *Reappointed* 1891, *but resigned.*
Robert Payne Bigelow, Ph. D., (F), Instr. in Biology and Librarian, Mass. Inst. of Technology. [1891-93]
Maynard Mayo Metcalf, Ph. D., (F), Prof. of Zoology, Oberlin Coll. [1893] *Did not enter on the fellowship.*
Ross Granville Harrison, Ph. D., (F), Assoc. Prof. of Anatomy. [1894] *Did not enter on the fellowship.*
Seitaro Goto, S. D., Prof. of Biology, First High School, Tokyo, Japan. [1894-95]
Henry McElderry Knower, Ph. D., (F), Instr. in Anatomy. [1895-96]
George Lefevre, Ph. D., (F), Prof. of Zoology, Univ. of Missouri. [1895-97]
*Franklin Story Conant, Ph. D., (F). [1897] *Did not enter on the fellowship.*
Duncan Starr Johnson, Ph. D., (F), Prof. of Botany. [1897-98]
Gilman Arthur Drew, Ph. D., (F), Prof. of Biol., Univ. of Maine. [1898] *Did not enter on the fellowship.*
Caswell Grave, Ph. D., (F), Assoc. Prof. of Zoology; State Shell-Fish Commissioner, Balt. [1899-01]
Lawrence Edmonds Griffin, Ph. D., (F), Prof. of Biology, Missouri Valley College. [1900]
James Edwin Duerden, Ph. D., Prof. of Zoology, Rhodes Univ. Coll., Cape Colony. [1901-02]
Rheinart Parker Cowles, Ph. D., (F), Asst. in Biology. [1902-04]
David Hilt Tennent, Ph. D., (F), Lecturer in Zoology, Bryn Mawr. [1904] *Did not enter on the fellowship.*
Otto Charles Glaser, Ph. D., (F), Instr. in Zoology, Univ. of Michigan. [1904-05]
Forrest Shreve, Ph. D., (F), Assoc. Prof. of Botany, Woman's Coll., Balt. [1905-06]
Robert Ervin Coker, Ph. D., (F), conducting studies in the marine fisheries of Peru, Lima. [1906] *Did not enter on the fellowship.*

WILLIAM S. RAYNER FELLOWS IN SEMITIC LANGUAGES

The Rayner Fellowship was founded in 1889 by Mrs. Bertha Rayner Frank and Mr. Albert W. Rayner, of Baltimore, to perpetuate in this university the name of their father, Mr. William S. Rayner, who had made unusual attainments in the Hebrew language and was interested in the promotion of Semitic studies. The gift amounted to $10,000.

When the institution is not named, this university is to be understood. The figures in brackets indicate the tenure of the fellowship. (F) indicates that the person has held a university fellowship here.

Karl Josef Grimm, Ph. D., (F), Prof. of Modern Languages, Pennsylvania Coll. [1899-01]
Theodore Clinton Foote, Ph. D., Instr. in Biblical Literature. [1901-03]
Gabriel Oussani, A. B., S. T. B., (F), Prof of Italian, Latin, and Oriental Lang., Catholic Seminary, N. Y. [1903] *Did not enter on the fellowship.*
William George Seiple, Ph. D., Missionary, Sendai, Japan. [1903-04]
Aaron Ember, Ph. D., (F), Instr. in Hebrew. [1904-07]

UNIVERSITY FELLOWS

Arranged under the date of first appointment. Figures in brackets indicate the tenure of the fellowship, when it was held more than one year. When the institution is not named, this university is to be understood. *Deceased.

1876

Henry Carter Adams, Ph. D., LL. D., Prof. of Political Economy and Finance, Univ. of Michigan; Statistician, Interstate Commerce Commission.—[1876-79]
*Herbert Baxter Adams, Ph. D., LL. D., Assoc., Assoc. Prof., Prof. of American and Institutional History, Professor Emeritus, 1878-01.—[1876-78]
William Keith Brooks, Ph. D., LL. D., Prof. of Zoology. *Did not enter on the fellowship.*
Samuel Fessenden Clarke, Ph. D., Prof. of Natural History, Williams College.—[1876-79]
*Thomas Craig, Ph. D., Instr., Assoc., Assoc. Prof., Prof. of Mathematics, 1879-1900; Editor, *American Journal of Mathematics*, 1894-99.—[1876-79]
Joshua Walker Gore, C. E., Prof. of Natural Philosophy, etc., University of N. C.—[1876-78]
George Bruce Halsted, Ph. D., Prof. of Mathematics, Kenyon Coll. 1903-06; Greeley, Colo.—[1876-78]
Edward Hart, Ph. D., Prof. of Analytical Chemistry, Lafayette Coll.—[1876-78]
Daniel Webster Hering, C. E., Ph. D., Prof. of Physics, New York Univ.—[1876-78]
Malvern Wells Iles, Ph. D., Consulting Metallurgist, London, England.—[1876-78]
William White Jacques, Ph. D., Lecturer, Mass. Inst. of Tech., 1885-91; Scientific Investigator, Boston.—[1876-79]
Charles Rockwell Lanman, Ph. D., LL. D., Prof. of Sanskrit, Harvard Univ.
David McGregor Means, A. B., Prof. of Political and Mental Science, Middlebury Coll., 1877-80; Atty. at Law, New York.
Harmon Northrup Morse, Ph D., Prof. of Analytical Chemistry. *Did not enter on the fellowship.*
Walter Hines Page, Editor, *The World's Work*, N. Y.—[1876-78]
*Peter Porter Poinier, M. E. *Did not enter on the fellowship.*
*Erasmus Darwin Preston, C. E., U. S. Coast Survey, 1879-1906.—[1876-78]
*Henry Joseph Rice, Sc. D., Prof. of Natural Sciences, Brooklyn High School, 1882-85.—[1876-78]
Josiah Royce, Ph. D., LL. D., Prof. of the History of Philosophy, Harvard.—[1876-78]
Alexander Duncan Savage, B. Litt., New York.—[1876-79]
Ernest Gottlieb Sihler, Ph. D., Prof. of Latin, New York Univ.—[1876-79]
Frederick Boyd Van Vorst, A. B., Atty. at Law, New York.
*John Henry Wheeler, Ph. D., Prof. of Greek, Univ. of Virginia, 1882-87.

1877

Francis Greenleaf Allinson, Ph. D., Prof. of Classical Philology, Brown Univ.—[1877-80]
Fabian Franklin, Ph. D., LL. D., Asst., Assoc., Assoc. Prof., and Prof of Mathematics, 1879-95; Editor of *The Baltimore News*.—[1877-79]
Lyman Beecher Hall, Ph. D., Prof. of Chemistry, Haverford Coll.—[1877-79]
Allan Marquand, Ph. D., L. H. D., Prof. of Art and Archæology, Princeton. —[1877-80]
Christian Sihler, Ph. D., M. D., Instr. and Acting Prof. of Histology, etc., Western Reserve Univ., 1889-94; Physician, Cleveland, Ohio.—[1877-79]

1878

Maurice Bloomfield, Ph. D., LL. D., Prof. of Sanskrit and Comparative Philology.
Constantine Fahlberg, Ph. D., Chemist, Salbke-Westerhuesen, Germany.—[1878-80]
Edwin Herbert Hall, Ph. D., Prof. of Physics, Harvard Univ.—[1878-80]
Edward Coles Harding, A. M., Prof. of Greek, Univ. of Louisiana, 1879-80; Baltimore.
Rev. Charles Robert Hemphill, D. D., LL. D., Prof. of New Testament Exegesis, Louisville Presbyterian Theol. Sem.; Clergyman, Louisville, Ky.
Isaac Ott, A. M., M. D., Prof. of Physiology, Medico-Chirurgical Coll. of Philadelphia.
Henry Sewall, Ph. D., M. D., Prof. of Physiology, Univ. of Denver.
Washington Irving Stringham, Ph. D., Prof. of Mathematics, and Dean, College of Social Sciences, Univ. of Cal.—[1878-80]
Charles Ambrose Van Velzer, S. B., Prof. of Mathematics, Univ. of Wis.—[1878-81]
Abram Van Epps Young, Ph. B., Prof. of Chemistry, Northwestern Univ.—[1878-80]

1879

Brown Ayres, Ph. D., LL. D., President of the University of Tennessee.
Louis Bevier, Ph. D., Prof. of Greek, Rutgers Coll.—[1879-81]
William Burney, Ph. D., Prof. of Chemistry, South Carolina Coll.
Edward Mussey Hartwell, Ph. D., M. D., LL. D., Sec., Dept. of Municipal Statistics, Boston.—[1879-81]
*John Robin McDaniel Irby, Ph. D.
Mitsuru Kuhara, Ph. D., Director, Coll. of Science, Univ. of Kyoto, Japan.—[1879-81]
*Oscar Howard Mitchell, Ph. D., Prof. of Mathematics, Marietta Coll., 1882-89.—[1879-82]
Edward Leamington Nichols, Ph. D., LL. D., Prof. of Physics, Cornell Univ.
George Frederick Nicolassen, Ph. D., Prof. of Greek and German, Southwestern Presbyterian Univ., Tenn.—[1879-81]
Waldo Selden Pratt, A. B., Mus. D., Prof. of Ecclesiastical Music and Hymnology, Hartford (Conn.) Theol. Sem.
Robert Woodworth Prentiss, M. S., Prof. of Mathematics, etc., Rutgers.—[1879-81]
William Thompson Sedgwick, Ph. D., Prof. of Biology, Mass. Inst. of Tech.; Lecturer, Simmons Coll.
*Herman Vorhees, C. E. *Did not enter on the fellowship.*
Charles Otis Whitman, Sc. D., Ph. D., LL. D., Prof. of Zoology, Univ. of Chicago. *Did not enter on the fellowship.*
Edmund Beecher Wilson, Ph. D., LL. D., Prof. of Zoology, Columbia Univ.—[1879-81]

1880

James Wilson Bright, Ph. D., Caroline Donovan Prof. of English Literature.—[1880-82]
Benjamin Chapman Burt, A. B., Acting Prof. of Philosophy and Pedagogy, Univ. of Colorado, 1894-95.
Robert Dorsey Coale, Ph. D., Prof. of Chemistry and Dean, Med. Dept., Univ. of Md.
Lawrence Bunting Fletcher, Ph. D., Instructor in Physics, Wesleyan Univ., 1882-83.
*Spencer Hedden Freeman, A. B., Prof. of Physics and Astronomy, Adelbert Coll., 1882-86.—[1880-82]

Kakichi Mitsukuri, Ph. D., Prof. of Zoology, Univ. of Tokyo, Japan.
Bernard Francis O'Connor, Ph. D., Instructor and Adjunct Prof. of Romance Lang., Columbia Univ., 1883-91; New York.—[1880-82]
Chase Palmer, Ph. D., Prof. of Chemistry, Ky. State Coll., 1905-06.—[1880-82]
Herbert Mills Perry, A. B., late Instructor, Cascadilla School, Ithaca.—[1880-82]
William Lee Rowland, S. B., Chemist, Philadelphia. *Did not enter on the fellowship.*
*Andreas Franz Wilhelm Schimper, Ph. D., Prof. of Botany, Univ. of Basle, 1898-1901.
Edward Henry Spieker, Ph. D., Assoc. Prof. of Greek and Latin.—[1880-82]
Morrison Isaac Swift, Ph. D., Instructor in Philosophy, Hobart Coll., 1882-84.—[1880-82]
*Arthur Wilson Wheeler, A. B.

1881

William John Alexander, Ph. D., Prof. of English, Univ. of Toronto.—[1881-83]
Edward Sanford Burgess, Ph. D., Prof. of Natural Science, Normal Coll., N. Y.
William James Comstock, Ph. D., Instructor in Organic Chemistry, Yale Univ.
*William Cathcart Day, Ph. D., Prof. of Chemistry, Swarthmore, 1887-1901.—[1881-83]
Henry Herbert Donaldson, Ph. D., Prof. of Neurology, Wistar Inst. of Anatomy, Univ. of Pa.—[1881-83]
William Pitt Durfee, Ph. D., Prof. of Mathematics and Dean of the Faculty, Hobart Coll.—[1881-83]
George Stetson Ely, Ph. D., Principal Examiner, U. S. Patent Office.—[1881-83]
Benjamin Ives Gilman, A. M., Curator, Museum of Fine Arts, Boston, Mass.
John Franklin Jameson, Ph. D., LL. D., Director, Dept. of Historical Research, Carnegie Inst., Washington.
Charles Herschel Koyl, A. B., Instr. in Physics, Swarthmore, 1887-88; New York.—[1881-83]
Henry Leslie Osborn, Ph. D., Prof. of Biology and Geology, Hamline Univ.
Henry Newlin Stokes, Ph. D., Asst. Prof. of Chemistry, Univ. of Chicago, 1892-94; Chemist, Bureau of Standards, Washington.—[1881-83]
Benjamin Willis Wells, Ph. D., late Prof. of Modern Lang., Univ. of the South; Editor of *The Churchman*, N. Y. *Did not enter on the fellowship.*

1882

*Charles John Bell, A. B., Prof. of Chemistry, Medical Dept., Univ. of Minnesota, 1888-1903. *Did not enter on the fellowship.*
James McKean Cattell, Ph. D., Prof. of Psychology, Columbia Univ.; Editor of *Science.*
Ellery Williams Davis, Ph. D., Prof. of Mathematics, Univ. of Nebraska.—[1882-84]
David Talbot Day, Ph. D., U. S. Geological Survey, Washington, D. C.—[1882-84]
Alfred Emerson, Ph. D., Assoc. Prof. of Classical Archæology, Cornell Univ., 1891-97.—[1882-84]
William Scott Fleming, A. B., Prof. of Greek, Davidson Coll., 1883-85.
Arthur Lincoln Frothingham, Jr., Ph. D., Prof. of Ancient History and Archæology, Princeton, 1886-1905; Princeton, N. J.—[1882-85]
Henry Root Goodnow, A. B., New York.
Elgin Ralston Lovell Gould, Ph. D., New York.—[1882-84]
Arthur Stafford Hathaway, S. B., Prof. of Mathematics, Rose Polytech. Inst.—[1882-84]
William Henry Howell, Ph. D., M. D., LL. D., Prof. of Physiology and Dean of the Medical Faculty.—[1882-84]
Edward Harrison Keiser, Ph. D., Prof. of Chemistry, Washington Univ.—[1882-84]
Arthur Lalanne Kimball, Ph. D., Prof. of Physics, Amherst Coll.
Harry Fielding Reid, Ph. D., Prof. of Geological Physics. *Did not enter on the fellowship.*

1883

William Muss Arnolt, Ph. D., Instr. and Asst. Prof. of Biblical Philology, Univ. of Chicago, 1893-1903; Belmont, Mass.—[1883-85]
Gustav Bissing, Ph. D., Patent Attorney, New York.
*Adam Todd Bruce, Ph. D., Instr. in Osteology, etc., 1886-87.
Archibald Lamont Daniels, D. Sc., Prof. of Mathematics and Physics, Univ. of Vermont.
John Dewey, Ph. D., LL. D., Prof. of Philosophy, Columbia; Lecturer, 1906-07.
*James Reynolds Duggan, Ph. D., Prof. of Chemistry, Wake Forest, 1886-88.
Hans Carl Guenther von Jagemann, Ph. D., Prof. of Germanic Philology, Harvard.
*Gustav Adolph Liebig, Jr., Ph. D., Asst. in Electricity, 1887-90.—[1883-85]
Charles William Emil Miller, Ph. D., Assoc. Prof. of Greek.—[1883-85]
Charles Albert Perkins, Ph. D., Prof. of Physics, Univ. of Tennessee.
*Louis Tebbetts Stevens, M. D., late Lecturer, Washington Univ.
Henry Crew, Ph. D., Prof. of Physics, Northwestern Univ.—[1884-86]
Ethan Allen Andrews, Ph. D., Assoc. Prof. of Biology.—[1884-86]

1884

Homer Winthrop Hillyer, Ph. D., Asst. Prof. of Organic Chemistry, Univ. of Wisconsin.
Lewis Webb Wilhelm, Ph. D., Vice-Princ., College Prep. School, Baltimore.
*Rev. Abel Henry Huizinga, Ph. D., Adjunct Prof., McCormick Theol. Sem., 1894-96.—[1884-86]
Frederic Schiller Lee, Ph. D., Prof. of Physiology, Columbia Univ.
Charles Herbert Levermore, Ph. D., President of Adelphi College, Brooklyn.
Henry Francis Nachtrieb, S. B., Prof. of Animal Biology, Univ. of Minnesota.
Henry Barber Nixon, Ph. D., Prof. of Mathematics, Pennsylvania Coll.
William Noyes, Jr., M. D., Supt., Boston Insane Hospital, Mattapan, Mass.; Clinical Instructor, Harvard.
Albert Gallatin Palmer, Ph. D., Asst. Prof. of Chemistry, Swarthmore Coll., 1886-87; Norwood, Md.
Ernest Mondell Pease, A. B., Prof. of Latin, Stanford Univ., 1891-1902; New York.—[1884-86]
Albert Harris Tolman, Ph. D., Asst. Prof. of English Literature, Univ. of Chicago. *Did not enter on the fellowship.*
Woodrow Wilson, Ph. D., Litt. D., LL. D., President of Princeton University.

1885

Cyrus Adler, Ph. D., Librarian, Smithsonian Institution; Prof. of Oriental History and Archæology, George Washington Univ.—[1885-87]
*David Barcroft, Ph. D.
William Shirley Bayley, Ph. D., Asst. Prof. of Geology, Univ. of Illinois; U. S. Geological Survey.—[March, 1885—June, 1886]
Louis Bell, Ph. D., Prof. of Physics, Purdue Univ., 1888-89; Electrical Engineer, Boston.—[1885-87]
William Henry Burnham, Ph. D., Asst. Prof. of Pedagogy, Clark Univ.
Francis Albert Christie, A. B., Prof. of Church History, Theol. School, Meadville, Pa.—[1885-87]
Davis Rich Dewey, Ph. D., Prof. of Economics, etc., Mass. Inst. of Tech.
Albert E. Egge, Ph. D., Prof. of English, Washington State Coll.
William Henry Emerson, Ph. D., Prof. of Chemistry, Georgia School of Tech.
John Charles Fields, Ph. D., Lecturer in Mathematics, Toronto Univ.
Joseph Jastrow, Ph. D., Prof. of Psychology, Univ. of Wisconsin.
George Theophilus Kemp, Ph. D., M. D., Prof. of Physiology, Univ. of Illinois.
Marion Dexter Learned, Ph. D., Prof. of German, Univ. of Pennsylvania.
Gonzalez Lodge, Ph. D., Prof. of Latin and Greek, Teachers Coll., Columbia Univ.
Arthur MacDonald, A. B., Bureau of Pensions, Washington, D. C. *Did not enter on the fellowship.*
Charles Skeele Palmer, Ph. D., Pres., Colo. School of Mines, 1902-03; Assoc. Ed., *Engineering and Mining Journal*, New York.
George Thomas White Patrick, Ph. D., Prof. of Philosophy, Iowa State Univ. *Reappointed* 1887, *but resigned.*
Moses Stephen Slaughter, Ph. D., Prof. of Latin, Univ. of Wisconsin.
Charles Whetham, A. B., President of Whetham Coll., Vancouver, B. C., 1890-93.
Charles Baker Wright, A. B., Prof. of English Literature and Rhetoric, Middlebury Coll. *Did not enter on the fellowship.*

1886

Edgar Pierce Allen, A. B., Prof. Law Dept. Univ. of Tientsin, China.—[1886-88]
John Pendleton Campbell, Ph. D., Prof. of Biology, Univ. of Georgia.
Henry Clarke, A. B., Classical Instr., London, England.
Herbert Charles Elmer, Ph. D., Asst. Prof. of Latin, Cornell Univ.
Henry Brayton Gardner, Ph. D., Prof. of Political Economy, Brown Univ.
*Milton Haight, A. B., Prof. of Mathematics, Sapporo, Japan, 1887-92.
John Leslie Hall, Ph. D., Prof. of English and History, William and Mary Coll.
Charles Willard Hayes, Ph. D., U. S. Geological Survey, Washington.
George Benjamin Hussey, Ph. D., Classical Master, Irving School, N. Y.
James Hervey Hyslop, Ph. D., Prof. of Logic and Ethics, Columbia Univ., 1895-1902.
Andrew Cowper Lawson, Ph. D., Prof. of Geology, Univ. of California.
Franklin Paine Mall, M. D., LL. D., Prof. of Anatomy.—[1886-88]
Yujiro Motora, Ph. D., Prof. of Psychology, etc., Univ. of Tokyo, Japan.
Julius Nelson, Ph. D., Prof. of Biology, Rutgers Coll.
William Ridgely Orndorff, Ph. D., Prof. of Organic Chemistry, Cornell.
Daniel Richard Randall, Ph. D., Attorney at Law, Annapolis, Md.
Henry Dallas Thompson, D. Sc., Ph. D., Prof. of Mathematics, Princeton.
Edward Burr Van Vleck, Ph. D., Prof. of Mathematics, Wesleyan Univ.
*Amos Griswold Warner, Ph. D., Prof. of Economics, Stanford Univ., 1893-1900.
John Roaf Wightman, Ph. D., Prof. of Romance Lang., Oberlin Coll.

1887

Joseph Sweetman Ames, Ph. D., Prof. of Physics.
Philip Wheelock Ayres, Ph. D., Forester, Concord, N. H.
William Snyder Elchelberger, Ph. D., Prof. of Mathematics, U. S. Navy, Washington.
Henry Rushton Fairclough, Ph. D., Prof. of Latin, Stanford Univ. *Did not enter on the fellowship.*
*William Curns Lawrence Gorton, Ph. D., Assoc. Prof. and Prof. of Mathematics and Astronomy, Woman's Coll., Balt., 1888-94.
William Herbert Hobbs, Ph. D., Prof. of Mineralogy, etc., Univ. of Wisconsin.
Joseph Hoeing Kastle, Ph. D., Chief, Div. of Chemistry, Hygiene Lab., Marine Hosp. Service, Washington.
Felix Lengfeld, Ph. D., late Asst. Prof., Univ. of Chicago; Chemist, San Francisco.
Archibald MacMechan, Ph. D., Prof. of English, Dalhousie Univ.
Herbert William Magoun, Ph. D., late Prof. of Latin, Redfield College, S. Dak.; Cambridge, Mass.
*Thomas McCabe, Ph. D., Assoc. in Romance Lang., Bryn Mawr, 1890-91.
John Leverett Moore, Ph. D., Prof. of Greek and Latin, Vassar Coll.
Augustus Taber Murray, Ph. D., Prof. of Greek, Stanford Univ.
Edmund Clark Sanford, Ph. D., Prof. of Experimental Psychology, Clark Univ.
Charles Lee Smith, Ph. D., Prest., Mercer Univ., 1905-06; Raleigh, N. C.
*Arthur Clarence Wightman, Ph. D., Prof. of Biology and Physics, Randolph-Macon Coll., 1891-1905.
Henry Van Peters Wilson, Ph. D., Bruce Fellow, 1888-89; Prof. of Biology, Univ. of North Carolina.

1888

Charles McLean Andrews, Ph. D., L. H. D., Professor of History.
Frank Wilson Blackmar, Ph. D., Prof. of History and Sociology, Univ. of Kansas.
Charles Augustus Borst, A. B., Asst. in Astronomy 1889-92.
William Merriam Burton, Ph. D., Supt., Standard Oil Co., Whiting, Ind.
Morgan Callaway, Jr., Ph. D., Prof. of English Philology, Univ. of Texas.
Charles Hiram Chapman, Ph. D., Pres., Univ. of Oregon, 1893-99; Woodland, Wash.
Edwin Whitfield Fay, Ph. D., Prof. of Latin and Greek, Univ. of Texas.—[1888-90]
Adam Capen Gill, Ph. D., Asst. Prof. of Mineralogy, Cornell Univ.
Joseph Edward Harry, Ph. D., Prof. of Greek, and Dean, Graduate School, Univ. of Cincinnati.

James Taft Hatfield, Ph. D., Prof. of German, Northwestern Univ.
*George Allison Hench, Ph. D., Prof. of German, Univ. of Michigan, 1895-99.
Clifton Fremont Hodge, Ph. D., Asst. Prof. of Physiology, Clark Univ.
Cary Talcott Hutchinson, Ph. D., Acting Assoc. Prof. of Electricity, 1898-99; Consulting Engineer, N. Y.
Alvin Frank Linn, Ph. D., Prof. of Chemistry and Mineralogy, Wittenberg Coll., O. *Did not enter on the fellowship.*
Thomas Logie, Ph. D., Prof. of Romance Lang., Univ. of Cape Town, S. Africa.
Alfred Edward Thayer, M. D., Prof. of Pathology, Univ. of Texas.
*James Starr Trueman, A. B., Prof. of Greek and Latin, Allegheny Coll., 1889-92.
Shozaburo Watase, Ph. D., Bruce Fellow, 1889-90; Prof. of Zoology, Univ. of Tokyo.

1889

Rev. Edward Carey Applegarth, Ph. D., M. D., Clergyman, Boston, Mass.
Arthur George Blachstein, A. B., M. D., St. Petersburg, Russia.
Rudolf John Julius de Roode, Jr., Ph. D., Supt., Bureau of Tests, Internat. Paper Co., N. Y.
George Peter Dreyer, Ph. D., Prof. of Physiology, Med. Dept., Univ. of Ill.
Herman Louis Ebeling, Ph. D., Asst. Prof. of Greek, Hamilton Coll.
Charles Jaques Goodwin, Ph. D., Prof. of Greek, Lehigh Univ.
Christopher Johnston, Jr., Ph. D., Assoc. Prof. of Oriental History, etc.—[1889-91]
Hiram Benjamin Loomis, Ph. D., Western Springs, Ill.
John Hanson Thomas McPherson, Ph. D., Prof. of History, Univ. of Georgia.
Thomas Hunt Morgan, Ph. D., Bruce Fellow, 1890; Prof. of Experimental Zoology, Columbia Univ.
Daniel Alexander Murray, Ph. D., Prof. of Mathematics, Dalhousie Univ., Nova Scotia.
Charles Lane Poor, Ph. D., Prof. of Astronomy, Columbia Univ.
*George Mann Richardson, Ph. D., Prof. of Organic Chemistry, Stanford Univ., 1891-1902.
John Cunningham Robertson, Ph. D., Prof. of Greek, St. Stephen's Coll., N. Y.
*Charles Hunter Ross, Ph. D., Prof. of Modern Lang., Alabama Polytech. Inst., 1892-1900.
Joseph Samuel Shefloe, Ph. D., Prof. of Romance Lang. and Librarian, Woman's College, Baltimore.
Robert Benson Steele, Ph. D., Adjunct Prof. of Latin, Vanderbilt Univ.
Bert John Vos, Ph. D., Assoc. Prof. of German.—[1889-91]
James Albert Woodburn, Ph. D., Prof. of American History, Indiana Univ.

1890

William Wilson Baden, Ph. D., Prof. of Latin, Univ. of Idaho.—[1890-92]
Robert Payne Bigelow, Ph. D., Bruce Fellow, 1891-93; Instr. in Biology and Librarian, Mass. Inst. of Tech.
Edwin Grant Conklin, Ph. D., Prof. of Zoology, Univ. of Pa.
Rev. William Levering Devries, Ph. D., S. T. B., Clergyman, Washington.
George Houghton Gilman, A. B., LL. B., Atty. at Law, New York. *Did not enter on the fellowship.*
Thomas Perrin Harrison, Ph. D., Prof. of English, Davidson Coll.
Charles Rollin Keyes, Ph. D., Mining Engineer, Socorro, New Mex.
Edwin Seelye Lewis, Ph. D., Prof. Romance Lang., Princeton.
Arthur Stanley Mackenzie, Ph. D., Prof. of Physics, Dalhousie Univ., N. S.
Henry Parker Manning, Ph. D., Assoc. Prof. of Mathematics, Brown Univ.
Wilfred Pirt Mustard, Ph. D., Collegiate Prof. of Latin.
Barker Newhall, Ph. D., Prof. of Greek, Kenyon Coll.
Edward Bennett Rosa, Ph. D., Chief Physicist, Bureau of Standards, Washington; Prof. George Washington Univ.
Charles Edward Saunders, Ph. D., Prof. of Chemistry, Central Univ., Ky., 1891-93; Ottawa, Canada.
Bernard Christian Steiner, LL. B., Ph. D., Librarian, Pratt Library; Associate in History.
John White, Jr., Ph. D., Prof. of Chemistry, Rose Polytechnic Inst.
Westel Woodbury Willoughby, Ph. D., Prof. of Political Science.

1891

Edward Ambrose Bechtel, Ph. D., Instr. in Latin, Univ. of Chicago. *Did not enter on the fellowship.*
Julius Blume, Modern Lang. Master, University School, Baltimore, 1892-99.
Albert Bernhardt Faust, Ph. D., Asst. Prof. of German, Cornell Univ.
Simon Flexner, M. D., Director, Rockefeller Inst. for Medical Research, N. Y.
Ulysses Sherman Grant, Ph. D., Prof. of Geology, Northwestern Univ.
William Asbury Harris, Ph. D., Prof. of Greek, Richmond Coll., Va.
Harry Clary Jones, Ph. D., Prof. of Physical Chemistry.
James Lawrence Kellogg, Ph. D., Prof. of Biology, Williams Coll.
Elmer Peter Kohler, Ph. D., Prof. of Chemistry, Bryn Mawr.
*Paul Erasmus Lauer, Ph. D., Asst. Supt. of Schools, Cleveland, O., 1892-93.
David Judson Lingle, Ph. D., Asst. Prof. of Physiology, Univ. of Chicago.
John Hanson Thomas Main, Ph. D., President, Iowa Coll.
Frank Jewett Mather, Jr., Ph. D., late Instr. in English, Williams Coll.; Asst. Editor, *The Evening Post*, N. Y.
Michael Andrew Mikkelsen, Ph. D., Asst. Editor, *The Sun*, N. Y.
John Dyneley Prince, Ph. D., Prof. of Semitic Lang., Columbia.
Brantz Mayer Roszel, Ph. D., Head Master, Sewanee Grammar School, Tenn.
George Owen Squier, Ph. D., Major, U. S. Signal Corps.
Sidney Grant Stacey, Ph. D., Instr. in Latin, High School, Brooklyn.
Joseph Moody Willard, A. B., Prof. of Mathematics, Pennsylvania State Coll.

1892

Burleigh Smart Annis, A. B., late Instr. in Mathematics, High School, Hartford, Conn.; Chattanooga, Tenn.
Lewellys Franklin Barker, M. D., Prof. of Medicine.
Rev. Melvin Brandow, A. B., Asst. Librarian, 1894-1903; Clergyman, Lancaster, Pa.
Alexander Mitchell Carroll, Ph. D., Head Prof. of Classical Philol., George Washington Univ.
Harry Max Ferren, A. B., Instr. in German, Allegheny (Pa.) High School.
David Hull Holmes, Ph. D., Classical Instr., High School, Brooklyn.
Arthur John Hopkins, Ph. D., Assoc. Prof. of Chemistry, Amherst Coll.
Theodore Hough, Ph. D., Assoc. Prof. of Biology, Simmons Coll., Boston.
James Alton James, Ph. D., Prof. of European History, Northwestern Univ.
Francis Plaisted King, Ph. D., Asst. Geologist of Ga., 1893-96; Portland, Me.
Emory Bair Lease, Ph. D., Instr. in Latin, College of the City of New York.
*Edward Payson Manning, Ph. D., Instr. in Mathematics, St. Lawrence Univ., 1894-95.
*Louis Emil Menger, Ph. D., Assoc. Prof. and Prof. of Romance Philol., Bryn Mawr, 1897-03.
*Lucius Salisbury Merriam, Ph. D., Instr. in Polit. Econ., Cornell, 1893-94.
Mayo Maynard Metcalf, Ph. D., Bruce Fellow, 1893; Prof. of Zoology, Oberlin Coll.
*René de Poyen-Bellisle, Ph. D., Instr. in Romance Philol., Chicago, 1894-1900.
Arthur Percy Saunders, Ph. D., Prof. of Chemistry, Hamilton Coll.
Rev. Daniel Gurden Stevens, Jr., Ph. D., Clergyman, Bryn Mawr, Pa.—[1892-94]
Frederick Tupper, Jr., Ph. D., Prof. of Rhetoric and English Lit., Univ. of Vermont.
Frank Alfred Wolff, Jr., Ph. D., Prof. of Physics, George Washington Univ.; Physicist, Bureau of Standards, Washington.

1893

Thomas Stockham Baker, Ph. D., Prof. of Mod. Lang., Tome Inst.; Lecturer in German.
John Spencer Bassett, Ph. D., Prof. of History, Smith Coll.
George Melville Bolling, Ph. D., Assoc. Prof. of Greek and Comp. Philol., Catholic Univ.
Abraham Cohen, Ph. D., Associate in Mathematics.
Ervin Sidney Ferry, S. B., Prof. of Physics, Purdue Univ.
William Francis Galloway, Ph. D., Princ., Chatham Acad., Savannah, Ga.
Ross Granville Harrison, Ph. D., M. D., Bruce Fellow, 1894; Assoc. Prof. of Anatomy.
Bert Holmes Hite, M. S., Prof. of Agric. Chem., West Va. Univ.—[1893-95]
Samuel Verplanck Hoffman, M. E., New York.

Jacob H. Hollander, Ph. D., Prof. of Polit. Economy.
Charles William Leverett Johnson, Ph. D., Instr. in Latin, Princeton, 1900-03.
George Wesley Johnston, Ph. D., Lecturer in Latin, Univ. of Toronto.
George Charles Keidel, Ph. D., Assoc. in Romance Languages.—[1893-95]
Edward Bennett Mathews, Ph. D., Prof. of Mineralogy and Petrography.
Edwin Fitch Northrup, Ph. D., Assoc. Prof. of Physics, Univ. of Texas, 1896-97; Philadelphia.—[1893-95]
*Alfred William Stratton, Ph. D., Registrar, Univ. of the Punjab, and Prof. of Sanskrit, Oriental Coll., Lahore, India, 1899-02.
Frederick Henry Sykes, Ph. D., Director, Extension Teaching, Columbia Univ.
George Francis Weida, Ph. D., Prof. of Chemistry, Ripon Coll., Wis.

1894

Arthur Fisher Bentley, Ph. D., Chicago.
Samuel Walker Beyer, Ph. D., Assoc. Prof. of Geology, Iowa Agric. Coll.
Clarence Griffin Child, Ph. D., Prof. of English, and Dean, Faculty of Philosophy, Univ. of Pa.
Frank Hollinger Clutz, Ph. D., Kansas City, Mo.—[1894-96]
Fonger DeHaan, Ph. D., Assoc. Prof. of Spanish, Bryn Mawr. *Did not enter on the fellowship.*
Henry Stewart Gane, Ph. D., U. S. Geological Survey, Washington.
William August Haussmann, Ph. D., Instr. in German, Central High School, Philadelphia.
Reid Hunt, Ph. D., M. D., Pharmacologist, Bureau of Public Health, Washington.—[1894-96]
Thomas Franklin Kane, Ph. D., Pres. and Prof. of Latin, Univ. of Washington.
William Hamilton Kirk, Ph. D., Prof. of Latin, Rutgers Coll.
Henry McElderry Knower, Ph. D., Bruce Fellow, 1895-96; Instr. in Anatomy.
George Lefevre, Ph. D., Bruce Fellow, 1895-97; Prof. of Zoology, Univ. of Missouri.
Caspar Levias, A. B., Prof. of Exegesis and Hebrew Grammar, Hebrew Union Coll., Cincinnati. *Reappointed* 1895, *but resigned.*
William Henry Maltbie, Ph. D., Prof. of Mathematics and Registrar, Woman's Coll., Balt.
Thomas Francis Moran, Ph. D., Prof. of History and Economics, Purdue Univ.
Louis Trenchard More, Ph. D., Prof. of Physics, Univ. of Cincinnati.
James Flack Norris, Ph. D., Prof. of Chemistry, Simmons Coll., Boston.
Herbert Dodge Pease, M. D., Lecturer, Albany Med. School.

1895

Norman Ross Carmichael, A. M., Assoc. Prof. of Physics, School of Mining, Kingston, Ont.
Arthur Douglas Chambers, Ph. D., Chemist, Ashburn, Mo.
*Franklin Story Conant, Ph. D., Bruce Fellow, 1897.
Rev. Eneas Bernard Goodwin, A. B., Prof. of Greek, St. Cyril's Coll., Chicago.
William Jackson Humphreys, Ph. D., Physicist, U. S. Weather Bureau, Mt. Weather, Va.
Oliver Martin Johnston, Ph. D., Asst. Prof. of Romanic Lang., Stanford Univ.
Gordon Jennings Laing, Ph. D., Asst. Prof. of Latin, Univ. of Chicago.
*Louis Eugene Livingood, M. D., Asst. in Pathology, 1896-98, and Associate, 1898.
Ebenezer Mackay, Ph. D., Prof. of Chemistry and Mineralogy, Dalhousie Univ., N. S.
John McLaren McBryde, Jr., Ph. D., Acting Dean, Sweetbriar Inst., Amherst, Va.
Henry Ludwell Moore, Ph. D., Prof. of Political Economy, Columbia.
Charles William Peppler, Ph. D., Prof. of Greek, Emory Coll., Ga.
Franklin Lafayette Riley, Ph. D., Prof. of History, Univ. of Miss.
Frederick George Gottlob Schmidt, Ph. D., Prof. of Modern Lang., Univ. of Oregon.
John Adams Scott, Ph. D., Prof. of Greek, Northwestern Univ.

George Otis Smith, Ph. D., Director, U. S. Geological Survey, Washington.
M. Victor Staley, Ph. D., late Prof., Univ. of Washington.
Thomas Hardy Taliaferro, Ph. D., Acting Prof. of Physics, Md. Agric. Coll.
Harry Langford Wilson, Ph. D., LL. D., Prof. of Roman Archæology and Epigraphy. *Did not enter on the fellowship.*

1896

Edward Cooke Armstrong, Ph. D., Assoc. Prof. of French.
James Morton Callahan, Ph. D., Prof. of Hist. and Pol. Sci., West. Va. Univ.
Edward Perkins Carter, M. D., Physician, Cleveland, Ohio.
Hubert Lyman Clark, Ph. D., Asst. in Invert. Zool., Harvard.
Noah Ernest Dorsey, Ph. D., Physicist, Bureau of Standards, Washington.
Pelham Edgar, Ph. D., Prof. of French, Victoria Univ., Ont.
Edwin Luther Green, Ph. D., Adjunct Prof. of Ancient Lang., S. Carolina Coll.
Arthur Sewall Haggett, Ph. D., Prof. of Greek, Univ. of Washington.
William Edwards Henderson, Ph. D., Asst. Prof. of Anal. Chemistry, Ohio State Univ.
Charles Hoeing, Ph. D., Asst. Prof. of Latin, Univ. of Rochester.—[1896-98]
Duncan Starr Johnson, Ph. D., Bruce Fellow, 1887-98; Prof. of Botany.
Rev. Paul Henry Land, A. B., Clergyman, Lima, Ohio.
Omera Floyd Long, Ph. D., Asst. Prof. of Latin, Northwestern Univ.
William Tyler Mather, Ph. D., Assoc. Prof. of Physics, Univ. of Texas.
John Frederick Mohler, Ph. D., Prof. of Physics, Dickinson Coll. *Did not enter on the fellowship.*
Jens Anderson Ness, Ph. D., Prof. of Latin, Wittenberg Coll., O.—[1896-98]
Alexander Pell, Ph. D., Prof. of Mathematics, Univ. of South Dakota.
Cornelius William Prettyman, Ph. D., Prof. of German, Dickinson Coll.
*Charles Dabney Ragland, Ph. D., Prof. of Chemistry, Randolph-Macon Coll., 1896-1900.
Frank Roy Rutter, Ph. D., Dept. of Agriculture, Washington.
George Burbank Shattuck, Ph. D., Prof. of Geology, Vassar Coll.

1897

Cleveland Abbe, Jr., Ph. D., U. S. Geol. Survey, Washington.
Charles Hillman Brough, Ph. D., LL. B., Prof. of Philosophy and History, Hillman Coll., Miss.
Pierce Butler, Ph. D., Prof. of History, Tulane Univ.—[1897-99]
Killis Campbell, Ph. D., Adj. Prof. of English, Univ. of Texas.
Gilman Arthur Drew, Ph. D., Bruce Fellow, 1898; Prof. of Biology, Univ. of Maine.
Charles Wilson Greene, Ph. D., Prof. of Physiology, Univ. of Missouri.
Karl Joseph Grimm, Ph. D., Rayner Fellow, 1899-01; Prof. of Modern Lang., Pennsylvania Coll.—[1897-99]
James Graham Hardy, Ph. D., Asst. Prof. of Mathematics, Williams Coll.
William App Jones, Ph. D., Analytical Chemist, New York.
William Kurrelmeyer, Ph. D., Instr. in German.—[1897-99]
Guy Carleton Lee, Ph. D., Instr. in History, 1898-1904.
Charles Elwood Mendenhall, Ph. D., Prof. of Physics, Univ. of Wisconsin.
Samuel Alfred Mitchell, Ph. D., Instr. in Astronomy, Columbia.
Joseph Longworth Nichols, A. B., M. D., Saranac Lake, N. Y.
William Albert Nitze, Ph. D., Prof. of Romance Lang., Amherst.
Daniel Allen Penick, Ph. D., Asst. Prof. of Greek and Latin, Univ. of Texas.
Ebenezer Emmet Reid, Ph. D., Prof. of Chemistry and Physics, Baylor Univ.
William Berney Saffold, Ph. D., Prof. of Latin, Univ. of Alabama. *Did not enter on the fellowship.*
Henry Nevill Sanders, Ph. D., Prof. of Greek, Bryn Mawr.
Charles William Waidner, Ph. D., Physicist, Bureau of Standards, Washington.

1898

Thomas Sewell Adams, Ph. D., Asst. Prof. of Economics, Univ. of Wisconsin.
John William Basore, Ph. D., Preceptor in Classics, Princeton.
Frank Ringgold Blake, Ph. D., Assoc. in Oriental Lang.—[1898-1902]
Joseph Scudder Chamberlain, Ph. D., Chemist, Dept. of Agr., Washington.
Percy Millard Dawson, A. B., M. D., Assoc. Prof. of Physiology.
George Stronach Fraps, Ph. D., Prof. of Chemistry, A. and M. Coll. of Texas, and State Chemist.

Pierre Joseph Frein, Ph. D., Prof. of French, Univ. of Washington.
Leonidas Chalmers Glenn, Ph. D., Prof. of Geology, Vanderbilt Univ.
Caswell Grave, Ph. D., Bruce Fellow, 1899-01; Assoc. Prof. of Zoology; State Shell-Fish Commissioner, Balt.
Hollister Adelbert Hamilton, Ph. D., Prof. of Greek, Elmira Coll.
George Oscar James, Ph. D., Instr. in Mathematics, Washington Univ., St. Louis.
Joseph Francis Merrill, Ph. D., Director, School of Mines, and Prof. of Physics, etc., Univ. of Utah.
Alfred William Milden, Ph. D., Prof. of Classics, Emory and Henry Coll.
Eugene Lindsay Opie, A. B., M. D., Associate, Rockefeller Institute, N. Y.
Frederick Albert Saunders, Ph. D., Prof. of Physics, Syracuse Univ.
Laurence Frederick Schmeckebier, Ph. D., U. S. Geological Survey, Washington.
Henry Skinner West, Ph. D., Asst. to the Supt. of Schools, Balt.

1899

George Ernest Barnett, Ph. D., Assoc. Prof. of Polit. Economy. *Reappointed*, 1900, *but resigned.*
William Martin Blanchard, Ph. D., Asst. Prof. of Chemistry, De Pauw Univ.
Charles Edward Caspari, Ph. D., Prof. of Chemistry, St. Louis Coll. of Pharmacy. *Did not enter on the fellowship.*
Luther Pfahler Eisenhart, Ph. D., Preceptor in Mathematics, Princeton.
*Herbert Baldwin Foster, Ph. D., Acting Prof. of Greek, Lehigh Univ., 1904-05.
William Linwood Foushee, Ph. D., Prof. of Latin, Richmond Coll.
Clyde Chew Glascock, Ph. D., Asst. Prof. of German, Yale.
Lawrence Edmonds Griffin, Ph. D., Bruce Fellow, 1900; Prof. of Biology, Missouri Valley Coll.
Sivert N. Hagen, Ph. D., Instr. in English and German, Vanderbilt Univ.
Joseph Cawdell Herrick, Ph. D., Instructor in Sciences, St. Joseph's Sem., Yonkers, N. Y.
*Julian Huguenin, Ph. D., Acting Prof. of English, Univ. of Louisiana, 1900-01.
Walter Hullihen, Ph. D., Prof. of Latin, Grant Univ., Tenn.
Charles August Kraus, S. B., Research Assoc. in Phys. Chem., Mass. Inst. of Tech.
Harry Taylor Marshall, A. B., M. D., Instr. in Pediatrics.
John Charles Olsen, Ph. D., Prof. of Anal. Chemistry, Brooklyn Polytechnic Inst.
Herbert Meredith Reese, Ph. D., Instr. in Physics, Univ. of Missouri.
George Burr Richardson, Ph. D., U. S. Geological Survey, Washington.
*Richard Burton Rowe, Ph. D., U. S. Geological Survey, 1900-02.
James Eustace Shaw, Ph. D., Associate in Italian.
Charles Clinton Weaver, Ph. D., Prof. of History, Davenport Coll., N. C.

1900

Herbert Thompson Archibald, Ph. D., Prof. of Greek., Occidental Coll., Cal.
George Dobbin Brown, Ph. D., Instr. in English, Princeton.
Benjamin Palmer Caldwell, Ph. D., Asst. Prof. of Chemistry, Tulane Univ.
Howard Vernon Canter, Ph. D., Instr. in Latin, Univ. of Missouri. *Did not enter on the fellowship.*
Winterton Conway Curtis, Ph. D., Asst. Prof. of Zoology, Univ. of Missouri.
Waverly Bayard Daniel, Ph. D., Prof. of Latin, Baylor Univ., Texas.
Joseph Erlanger, M. D., Prof. of Physiology, Univ. of Wisconsin. *Did not enter on the fellowship.*
Arthur Henry Ewing, Ph. D., Prof., Christian Coll., Allahabad, India.
Joseph Christie Whitney Frazer, Ph. D., Assoc. Chemist, U. S. Geological Survey, Pittsburg.
Norman Everett Gilbert, Ph. D., Asst. Prof. of Physics, Dartmouth Coll.
Roscoe Guernsey, Ph. D., Tutor in Greek, Columbia. *Reappointed* 1901, *but resigned.*
Fred Cole Hicks, Ph. D., Instructor in German, Monmouth Coll., Ill.
George Curtis Martin, Ph. D., Instr. in Paleontology, 1901-04; U. S. Geological Survey.
William Elejius Martin, Ph. D., Prest. Sullins Coll., Bristol, Va.-Tenn.
Charles Alfred Mosemiller, A. B., Assoc. Prof. of Romance Lang., Indiana Univ.

Roland Jessup Mulford, Ph. D., Head Master, Ridgefield School, Conn.
Louis Alexander Parsons, Ph. D., Instr. in Physics, Univ. of Cal.—[1900-02]
Israel Euclid Rabinovitch, Ph. D., New York City.
Charles Sidney Smith, Ph. D., Asst. Prof. of Greek and Latin, George Washington Univ. *Did not enter on the fellowship.*
Percy Goldthwait Stiles, Ph. D., Instr. in Anatomy, etc., Mass. Inst. of Tech. and Simmons Coll., Boston. *Did not enter on the fellowship.*
Gordon Wilson, M. D., Physician, Baltimore.

1901

Francis Marion Austin, A. B., Prof. of Latin, Ill. Wesleyan Univ. *Did not enter on the fellowship.*
LeRoy Carr Barret, Ph. D., Instr. in Latin.—[1901-03]
George Olaf Berg, Ph. D., Prof. of Greek, Wittenberg Coll.—[1901-03]
Arthur Byron Coble, Ph. D., Instr. in Mathematics.
Rheinart Parker Cowles, Ph. D., Bruce Fellow, 1902-04; Asst. in Biology.
Albert Eugene Curdy, Ph. D., Instr. in French, Yale.
Philip Howard Edwards, Ph. D., Latin Master, Friends' School, Balt.—[1901-03]
James Warner Harry, Ph. D., Baltimore.
Edward Pechin Hyde, Ph. D., Physicist, Bureau of Standards, Washington.
Herman Kurrelmeyer, Ph. D., Instr. in German, Mass. Inst. of Technology.
Charles Fowler Lindsay, Ph. D., Research Chemist, General Electric Co., Schenectady.
Robert Edward Loving, Ph. D., Prof. of Physics, Cornell Coll., Iowa. *Did not enter on the fellowship.*
Louis Wardlaw Miles, Ph. D., Preceptor in English, Princeton.
Benjamin Leroy Miller, Ph. D., Assoc. in Geology, Bryn Mawr.
Gabriel Oussani, A. B., S. T. B., Rayner Fellow, 1903; Prof. of Italian, Latin, and Oriental Lang., Catholic Seminary, N. Y.—[1901-03]
Charles Oscar Paullin, S. B., Washington, D. C. *Did not enter on the fellowship.*
George Ragland, A. B., Prof. of Greek, Baylor Univ., Texas. *Did not enter on the fellowship.*
M. Llewellyn Raney, Ph. D., Asst. Librarian.—[1901-03]
Dorothy M. Reed, M. D., Madison, Wis. [Mrs. C. E. Mendenhall.]
Daniel Naylor Shoemaker, Ph. D., Botanist, U. S. Dept. of Agriculture, Waco, Texas.
William Stone Weedon, Ph. D., Research Chemist, Wilmington, Del.

1902

Elbert Jay Benton, Ph. D., Prof. of History, Western Reserve Univ.; Albert Shaw Lecturer, 1906-07.
Charles Keyser Edmunds, Ph. D., Prof. of Physics, Christian Coll., Canton, China.
Frederick Hutton Getman, Ph. D., Instr. in Chemistry, N. Y. City Coll.
Yukimasa Hattori, Ph. D.
John Gale Hun, Ph. D., Instr. in Mathematics, Princeton.
Albert Johannsen, Ph. D., U. S. Geological Survey, Washington.
Alfred Allan Kern, Ph. D., Prof. of English, Millsaps Coll., Miss.
Ernest Gale Martin, Ph. D., Instr. in Anatomy and Physiology, Purdue Univ.
Alfred James Morrison, Ph. D., Prof. of Latin and German, Hampden-Sidney Coll.
Walter Thomson Peirce, Ph. D., Asst. Prof. of French, Ohio State Univ.
Robert Bruce Roulston, A. B., German Master, Country School for Boys, Balt.
John Philip Schneider, Ph. D., Prof. of English, Wittenberg Coll.
Arthur Whitmore Smith, Ph. D., Instr. in Physics, Univ. of Mich.
David Hilt Tennent, Ph. D., Bruce Fellow, 1904; Lecturer in Zoology, Bryn Mawr.—[1902-04]
Roy McLean Van Wart, A. B., M. D. C. M., Physician, New Orleans, La.
Kisaburo Yamaguchi, Ph. D., Honjo, Tokyo.

1903

Samuel James Allen, Ph. D., Asst. in Physics, Univ. of Cincinnati.
James Barnes, Ph. D., Assoc. in Physics, Bryn Mawr.
Douglas Labaree Buffum, Ph. D., Preceptor in Mod. Lang., Princeton.
Walter Buckingham Carver, Ph. D., Instr. in Mathematics, Cornell Univ.
Howard Waters Doughty, Ph. D., Instr. in Chemistry, Univ. of Wisconsin.

Aaron Ember, Ph. D., Rayner Fellow; Instr. in Hebrew.
John Calvin French, Ph. D., Instr. in English.
August Ernest Guenther, Ph. D., Asst. Prof. of Physiology, Univ. of Nebraska. *Reappointed 1904, but resigned.*
Elliot Snell Hall, Ph. D., Acting Asst. Prof. of Chemistry, Univ. of Wash.
Lee Milton Hollander, Ph. D., New York.
John Porter Hollis, Ph. D., Bureau of Corporations, Washington.
Arthur Isaac Kendall, Ph. D., Bacteriologist, Ancon Hospital, Panama, S. A.
William Kirk, Ph. D., Instr. in Economics, Brown Univ.
Winfred George Leutner, Ph. D., Instr. in Greek and Latin, Adelbert Coll. *Did not enter on the fellowship.*
Raymond Durbin Miller, Ph. D., Instr. in English, Syracuse Univ.
Walter Lewis Moll, A. B., Instr. in Greek, Concordia Coll, Ind.
Theodore Leslie Shear, Ph. D., Tutor in Greek, Columbia Univ.
Charles Kephart Swartz, Ph. D., Assoc. in Geology and Paleontology.
Boyd Ashby Wise, Ph. D., Acting Prof. of English, Millsaps Coll., 1906-07.
James Martin Wright, Ph. D., Asst. in History.

1904

Victor Hugo Bassett, A. B., M. D., Prof. of Pathology, College of Phys. and Surg., Milwaukee.
Hamilton Bradshaw, Ph. D., Research Chemist, Woodbury, N. J.
Oliver Perry Chitwood, Ph. D., Prof. of History, Mercer Univ.
Robert Treat Crane, A. B., Graduate Student.
Charles Eugley Mathews, A. B., Instr. in Mod. Lang., Princeton.
Ashton Waugh McWhorter, Ph. D., Classical Master, Sewanee Grammar School, Tenn.
William John Miller, Ph. D., Prof. of Geology, Hamilton Coll.
James Marvin Motley, Ph. D., Asst. Prof. of Polit. Econ., Stanford Univ.
Samuel Grant Oliphant, Ph. D., Henry E. Johnston Scholar in Sanskrit.—[1904-06]
Henry Bayard Phillips, Ph. D., Instr. in Mathematics, Univ. of Cincinnati.
James Temple Porter, Ph. D., Prof. of Physics, Randolph-Macon Woman's Coll., Lynchburg.
Robert Lee Ramsay, Ph. D., Asst. in English.
Robert Retzer, M. D., Instr. in Anatomy.
Andrew Dante Schrag, Ph. D., Instr. in German, Adelbert Coll.
Forrest Shreve, Ph. D., Bruce Fellow, 1905-06; Assoc. Prof. of Botany, Woman's Coll., Balt.
Levi Shoemaker Taylor, Ph. D., Science Instr., Friends' Central School, Phila.
Horace Scudder Uhler, Ph. D., Instructor in Physics, Yale Univ.
Robert Daniel Williams, A. M., Graduate Student.—[1904-06]
Louis Bernard Wolfenson, Ph. D., Graduate Student.

1905

Robert Ervin Coker, Ph. D., Bruce Fellow, 1906; pursuing studies in the marine fisheries of Peru, for the Peruvian government.
Ernest K. Cullen, M. B., Physician, Baltimore.
Edwin Preston Dargan, Ph. D., Instr. in Romance Lang., Univ. of Va.
George Wicker Elderkin, Ph. D., Student, Amer. School of Classical Studies, Athens.
John Augustine English Eyster, M. D., Instr. in Physiology.
Horace Edgar Flack, Ph. D., City Statistician, Balt.
Frederick Squire Henry, A. M., Fellow by Courtesy.
*Frederick W. Hilbert, A. B.
Herbert Pierrepont Houghton, A. M., Fellow in Greek.—[1905-07]
Llewellyn Griffith Hoxton, A. M., Fellow by Courtesy.
William Lee Kennon, Ph. D., Instr. in Chemistry, Williams Coll.
Albert Harp Licklider, A. B., Graduate Student.
Henry Martin, A. B., Graduate Student.
LeRoy McMaster, Ph. D., Instr. in Chemistry, Washington Univ., St. Louis.
John Frederick Messick, Ph. D., Instr. in Mathematics, Williams Coll.
August Herman Pfund, Ph. D., Asst. in Physics.
William Frederick Prouty, Ph. D., Assoc. Prof. of Geology, Univ. of Alabama, and Asst. State Geologist.
William Henry Schultz, Ph. B., Fellow in Physiology.—[1905-07]
Henry McGilbert Wagstaff, Ph. D., Acting Prof. of History, etc., Allegheny Coll.

The list of the present holders of fellowships is given on page 18.
The whole number appointed in thirty-one years is 539.

DEGREES CONFERRED, 1878–1906

DOCTOR OF LAWS (HONORARY)

1881

*Rutherford B. Hayes, President of the United States.

1902

Edwin Anderson Alderman, President of the University of Virginia.
James Burrill Angell, President of the University of Michigan.
John Shaw Billings, Director of the New York Public Library.
Nicholas Murray Butler, President of Columbia University.
Charles William Dabney, President of the University of Cincinnati.
Charles William Eliot, President of Harvard University.
Arthur Twining Hadley, President of Yale University.
Granville Stanley Hall, President of Clark University.
*William Rainey Harper, President of the University of Chicago.
John Franklin Jameson, Director, Department of Historical Research, Carnegie Institution, Washington.
David Starr Jordan, President of Leland Stanford Junior University.
James Loudon, President of the University of Toronto.
John William Mallet, Professor of Chemistry in the University of Virginia.
Simon Newcomb, Professor of Mathematics, United States Navy.
Francis Landey Patton, President of Princeton Theological Seminary.
William Peterson, Principal of McGill University.
Henry Smith Pritchett, President of the Massachusetts Institute of Technology.
Josiah Royce, Professor of the History of Philosophy in Harvard University.
James Schouler, Historian, Boston, Mass.
Charles Doolittle Walcott, Secretary of the Smithsonian Institution.
Benjamin Ide Wheeler, President of the University of California.
Andrew Dickson White, late Ambassador of the United States in Germany.
Edmund Beecher Wilson, Professor of Zoology in Columbia University.
Woodrow Wilson, President of Princeton University.

1903

Joseph John Thomson, Cavendish Professor of Experimental Physics in the University of Cambridge.

1905

William Osler, Emeritus Professor of the Principles and Practice of Medicine in the Johns Hopkins University, Regius Professor in the University of Oxford.
Albert von Pfister, President of the Wurttemberg Society of History and Antiquities.

1906

Sir William Henry Perkin, of London, England.

DOCTOR OF PHILOSOPHY (HONORARY)

1880

*Henry Augustus Rowland, Professor of Physics in the Johns Hopkins University.

DOCTOR OF PHILOSOPHY

When the institution is not named, this university is to be understood. (F) indicates that the person has held a fellowship here. *—Died.

1878

Henry Carter Adams (F), A. B. Iowa 1874; LL. D. Wisconsin 1904; Instr. 1879-81, Lecturer 1892-94; Lecturer and Assoc. Prof. Cornell 1879-87.—Prof. Pol. Econ. Univ. of Mich.; Statistician, Interstate Commerce Commission.

*Thomas Craig (F), C. E. Lafayette 1875; U. S. Coast Survey 1879-81; Instr. Assoc. Assoc. Prof. Prof. Math. 1879-1900; Editor *American Journal of Mathematics* 1894-1899. **May* 8, 1900.

Josiah Royce (F), California (A. B. 1875, Asst. Prof. 1878-82); LL. D. 1902; Lecturer 1905-06. — Prof. Hist. of Philos. Harvard.

Ernest Gottlieb Sihler (F), Concordia (Ind.) 1869; Prof. Concordia (Milwaukee) 1891-92.—Prof. Latin N. Y. Univ. (4)

1879

Maurice Bloomfield (F), A. M. Furman 1877; LL. D. Princeton 1896.—Prof. Sanskrit and Compar. Philol.

Samuel Fessenden Clarke (F), Ph. B. Yale 1878; Asst. 1879-81.—Prof. Natural Hist. Williams Coll.

George Bruce Halsted (F), Princeton (A. B. 1875, Tutor and Instr. 1878-84); Prof. Univ. of Texas 1884-1903; Prof. Math. Kenyon Coll. 1903-06.—Greeley, Colo.

Edward Hart (F), S. B. Lafayette 1874.—Prof. Anal. Chem. Lafayette Coll.

William White Jacques (F), Mass. Inst. Tech. (S. B. 1876, Lecturer 1885-91). — Scientific Investigator, Boston.

Henry Sewall (F), S. B. Wesleyan 1876; Assoc. 1880-82; Mich. (Hon. M. D. 1888, Prof. 1882-89); M. D. Univ. of Colo. 1889.—Prof. Physiol. Univ of Denver. (6)

1880

Francis Greenleaf Allinson (F), Haverford (A. B. 1876, Asst. Prof. 1880-82); A. B. Harvard 1877; Assoc. Prof. Williams 1892-95; Prof. Class. Philol. Brown.

Fabian Franklin (F), Columbian (Ph. B. 1869, LL. D. 1904); Asst. Assoc. Assoc. Prof. Prof. Math. 1879-95.—Editor *Baltimore News*.

Edwin Herbert Hall (F), A. B. Bowdoin 1875; Asst. 1880-81. — Prof. Physics, Harvard.

Allan Marquand (F), A. B. Princeton 1874; L. H. D. Hobart 1888.—Prof. Art and Archæol. Princeton.

Washington Irving Stringham (F), A. B. Harvard 1877.—Prof. Math. Univ. of Cal. Berkeley. (5)

1881

Louis Bevier (F), A. B. Rutgers 1878.—Prof. Greek, Rutgers.

Robert Dorsey Coale (F), Asst. 1881-83.—Prof. Chem. and Dean of Med. Faculty, Univ. of Md.

Edward Allen Fay, A. B. Mich, 1862. —Vice-Pres. and Prof. Lang. Gallaudet Coll. D. C.

Lawrence Bunting Fletcher (F), A.B. Columbia 1877; Instr. Physics, Wesleyan, 1882-83.

Samuel Garner, A. B. St. John's 1871; Prof. Mod. Lang. Univ. of Ind. 1881-87, U. S. Naval Acad. 1887-99.—Annapolis.

Edward Mussey Hartwell (F), Amherst (A. B. 1873, LL. D. 1898); M. D. Miami Med. Coll. 1882; Instr. and Assoc. 1883-91; Director, Phys. Train. Boston Schools 1891-97. — Sec. Dept. of Munic. Statistics, Boston.

William Thompson Sedgwick (F), Ph. B. Yale 1877; Asst. and Assoc. 1880-83. — Prof. Biol. Mass. Inst. Tech.; Curator, Lowell Inst. Boston; Lecturer, Simmons Coll.

Christian Sihler (F), Concordia (Ind.) 1866; M. D. Mich. 1871; Asst. 1879-80; Instr. and Acting Prof. Western Reserve 1888-94. — Physician, Cleveland, Ohio.

Edmund Beecher Wilson (F), Ph. B. Yale 1878; Asst. 1881-82, LL. D. 1902; LL. D. Chicago and Clark 1901; Lecturer, Williams 1883-84; Assoc. Prof. and Prof. Bryn Mawr 1885-91.—Prof. Zool. Columbia. (9)

1882

James Wilson Bright (F), A. B. Lafayette 1877; Instr. Cornell 1885.—Donovan Prof. English Lit.; Assoc. Ed. *Modern Lang. Notes*.

John Franklin Jameson (F), Amherst (A. B. 1879, LL. D. 1898); Asst. and Assoc. 1882-88, Lecturer 1890-91, LL. D. 1902; Prof. Brown 1888-1901; Prof. Chicago 1901-05.—Director, Dept. of Hist. Research, Carnegie Inst. Wash.

Mitsuru Kuhara (F), Tokyo (S. B. 1877, Lecturer 1882-87). — Prof. Chem. and Director, Coll. of Sci. and Eng. Univ. of Kyoto.

Robert Wright Mahon, C. E. Lehigh 1876; Tutor, Lafayette 1882-83; Acting Prof. Chem. Rose Polytech. 1888-89.

*Oscar Howard Mitchell (F), Marietta (A. B. 1875, Prof. Math. 1882-89). **March* 29, 1889.

George Frederick Nicolassen (F), A. B. Virginia 1879; Asst. 1881-82.—Prof. Greek and German, Southwestern Presb. Univ. Clarksville, Tenn.

William Albert Noyes, A. B. Iowa 1879; Instr. Univ. of Minn. 1882-83; Prof. Chem. Univ. of Tenn. 1883-86, Rose Polytech. Inst. 1886-1903.—Chief Chemist, National Bureau of Standards, Wash.

Chase Palmer (F), A. B. 1879; Asst. Mass. Inst. Tech. 1882-83, Tufts Coll. 1887-88; Prof. Chem. Mass. Norm. School, Salem 1883-87, Wabash Coll. 1888-90, Manual Train. School, Louisville 1895-1901, Central Univ. Ky. 1901-05, Ky. State Coll. 1905-06.

Edward Henry Spieker (F), A. B. 1879.—Assoc. Prof. Greek and Latin. (9)

1883

William John Alexander (F), A. B. London 1876; Prof. Dalhousie 1883-89.—Prof. English, Toronto.

*William Cathcart Day (F), A. B. 1880; Prof. Chem. St. John's 1883-84. Univ. of Nashville 1884-87, Swarthmore 1887-1901. **August* 15, 1905.

William Pitt Durfee (F), A. B. Mich. 1876.—Prof. Math. and Dean, Hobart Coll. Geneva, N. Y.

George Stetson Ely (F), A. B. Amherst 1878; Prof. Math. Buchtel 1883-84.—Principal Examiner, U. S. Patent Office.

Kakichi Mitsukuri (F), Ph. B. Yale 1879.—Prof. Zool. Univ. of Tokyo.

Bernard Francis O'Connor (F), B. ès Lett. Univ. of France 1874; Instr. and Adj. Prof. Romance Lang. Columbia, 1883-91.—New York. (6)

1884

Herbert William Conn, A. B. Boston Univ. 1881; Asst. 1883-84.—Prof. Biol. Wesleyan, Middletown, Conn.

Ellery Williams Davis (F), S. B. Wis. 1879; Prof. Florida Agric. 1884-88, S. C. Univ. 1888-93.—Prof. Math. Univ. of Neb. Lincoln.

David Talbot Day (F), A. B. 1881.—U. S. Geol. Survey, Washington.

John Dewey (F), A. B. Univ. of Vt. 1879; LL. D. Wisconsin 1904; Instr. and Prof. Mich. 1884-94, Chicago 1894-04.—Prof. Philos. Columbia; Lecturer 1906-07.

*James Reynolds Duggan (F), A. B. Mercer 1877; M. D. Jefferson 1879; Prof. Chem. Wake Forest 1886-88. **January* 10, 1888.

William Henry Howell (F), A. B. 1881; Mich. (Hon. M. D. 1890, Lecturer and Prof. 1889-92); Assoc. Prof. Harvard 1892-93; LL. D. Trinity 1901.—Prof. Physiol. and Dean, Med. Faculty.

Hans Carl Guenther von Jagemann (F), Naumburg Gymnas. 1876; Prof. Earlham 1884-85, Indiana Univ. 1885-89.—Prof. Germanic Philol. Harvard.

Edward Harrison Keiser (F), S. B. Swarthmore 1880; Asst. 1884-85; Assoc. Prof. and Prof. Bryn Mawr 1885-99.—Prof. Chem. Washington Univ. St. Louis.

Arthur Lalanne Kimball (F), A. B. Princeton 1881; Assoc. and Assoc. Prof. 1884-91.—Prof. Physics, Amherst.

Henry Leslie Osborn (F), A. B. Wesleyan 1878; Prof. Purdue 1884-87.—Prof. Biol. and Geol. Hamline Univ. St. Paul, Minn.

Charles Albert Perkins (F), A. B. Williams 1879; Asst. 1884-87; Assoc. Bryn Mawr 1887-91; Prof. Hampden Sidney 1891-92.—Prof. Physics Univ. of Tenn., Knoxville.

Albert Shaw, A.B. Iowa 1879; Reader 1889-90, Lecturer 1891-92.—Editor *The Review of Reviews*, New York.

Henry Newlin Stokes (F), S. B. Haverford 1879; Asst. Prof. Chem. Chicago 1893-94.—Asst. Chemist, Bureau of Standards, Washington.

Lewis Webb Wilhelm (F), A. B. 1880.—Vice-Prin. College Prep. School, Balt.

Arthur Yager, A. B. Georgetown (Ky.) 1878.—Prof. Hist. Georgetown, Ky. (15)

1885

Edward Webster Bemis, Amherst (A. B. 1880, Instr. 1885-86); Adj. Prof. Polit. Econ. Chicago 1892-95.—Supt. City Water Works, Cleveland.

Gustav Bissing (F), A. B. 1882; Examiner U. S. Patent Office 1884-97,—Patent Atty. New York.

Henry Herbert Donaldson (F), A. B. Yale 1879; Asst. 1883-84, Instr. and Assoc. 1885-89; Asst. Prof. Clark, 1889-92; Prof. Chicago 1892-1905.—Prof. Neurol. Wistar Inst. Univ. of Pa.

Louis Duncan, U. S. Naval Acad. 1880; Assoc. and Assoc. Prof. 1886-99; Prof. Mass. Inst. Tech. 1902-04.—Consulting Prof. Electric Traction, Brooklyn Polytech. Inst.

Homer Winthrop Hillyer (F), Wis. (S. B. 1882, Instr. 1885-98).—Asst. Prof. Organic Chem. Univ. of Wis.

Frederic Schiller Lee (F), St. Lawrence Univ. (A. B. 1879, Instr. 1886-87): Assoc. Bryn Mawr 1887-91.—Prof. Physiol. Columbia.

*Gustav Adolph Liebig, Jr. (F), A. B. 1882, Asst. 1887-90. **February* 10, 1897.
James Playfair McMurrich, A. B. Toronto 1879; Instr. 1884-86; Prof. Haverford 1886-89; Instr. Clark 1889-91; Prof. Cincinnati 1891-94.—Prof. Anatomy, Univ. of Mich.
Albert Gallatin Palmer (F), A. B. 1882; Asst. and Asst. Prof. Chem. Swarthmore 1885-87. — Norwood, Md.
Harry Fielding Reid (F), A. B. 1880; Prof. Case School, 1886-94; Assoc. Prof. Chicago 1895-97.—Prof. Geol. Physics.
Henry Alford Short, Columbia (A. B. 1880, Fellow 1880-83, Tutor 1885-88).—New York.
Morrison Isaac Swift (F), A. B. Williams 1879; Instr. Philos. Hobart 1882-84.
Henry Alfred Todd, A. B. Princeton 1876; Instr. and Assoc. 1883-91; Prof. Stanford 1891-93.—Prof. Romance Philol. Columbia. (13)

1886

William Shirley Bayley (F), A. B. 1883; Prof. Mineral. and Geol. Colby 1888-1904.—U. S. Geol. Survey; Asst. Prof. Geol. Univ. of Ill. Champaign.
*Adam Todd Bruce (F), A. B. Princeton 1881; Instr. Osteol. 1886-87. **February* 9, 1887.
Davis Rich Dewey (F), A. B. Univ. of Vt. 1879; Lecturer 1895-96.—Prof. Economics, Mass. Inst. Tech.
William Henry Emerson (F), U. S. Naval Acad. 1880; Prof. S. C. Mil. Acad. 1886-88.—Prof. Chem. Ga. School of Tech. Atlanta.
Joseph Auguste Fontaine, Coll. of Sion, France, 1879; Instr. Univ. of Neb. 1887-89; Prof. Romance Lang. Univ. of Miss. 1889-91. Bryn Mawr, 1891-99.—Bué, France.
Elgin Ralston Lovell Gould (F), A. B. Victoria (Ont.) 1881; Instr. Wash. High School 1884-87; Reader 1887-89; Lecturer Columbia, 1902-03.—President City and Suburban Homes Co. New York.
William Penn Holcomb, Swarthmore (B. L. 1878, Prof. Hist. 1886-94).—Charlestown, N. H.
Joseph Jastrow (F), A. B. Univ. of Pa. 1882.—Prof. Psychol. Univ. of Wis.
George Theophilus Kemp (F), A. B. 1883; M. D. L. I. Med. Coll. 1891; Demonstr. Univ. of Pa. 1886-87; Assoc. and Assoc. Director, Hoagland Lab. 1888-89.—Prof. Physiol. Univ. of Ill. Champaign.
Charles Herbert Levermore (F), A. B. Yale 1879; Instr. Univ. of Cal. 1886-88; Prof. Hist. Mass. Inst. Tech. 1888-93.—Pres. Adelphi Coll. Brooklyn.
Gonzalez Lodge (F), A. B. 1883; LL. D. Franklin and Marshall 1901; Prof. Davidson 1886-88, Bryn Mawr 1889-1900.—Prof. Latin and Greek, Teachers Coll. N. Y.
Charles William Emil Miller (F), A. B. 1882.—Assoc. Prof. Greek.
Henry Barber Nixon (F), Univ. of N. C. 1878.—Prof. Math. Pa. Coll. Gettysburg.
Charles Skeele Palmer (F), A. B. Amherst 1879; Prof. Chem. Univ. of Colo. 1886-1902; Pres. Colo. Sch. of Mines 1902-03.—Assoc. Ed. *Engineering and Mining Journal*, N. Y.
Burr James Ramage, A. B. Newberry 1880; late Prof. Common Law and Dean, Law School, Univ. of the South.—Dept. of Commerce and Labor, Washington.
Shosuke Sato, S. B. Sapporo 1880.—Director and Prof. of Agric. Economics, Agric. Coll. Sapporo, Japan.
Woodrow Wilson (F), A. B. Princeton 1879; LL. D. Wake Forest 1887, Tulane 1898; Litt. D. Yale 1901; Assoc. and Assoc. Prof. Bryn Mawr 1885-88; Prof. Wesleyan 1888-90; Lecturer 1887-1898, LL. D. 1902.—Pres. and Prof. Jurisprudence and Politics, Princeton. (17)

1887

Cyrus Adler (F), A. B. Univ. of Pa. 1883; Instr. and Assoc. 1887-93.—Librarian, Smithsonian Inst.; Prof. Oriental Hist. George Washington Univ.
Ethan Allen Andrews (F), Ph. B. Yale 1881.—Assoc. Prof. Biology.
Rev. Albert Clayton Applegarth, A.B. 1884.—Clergyman, Huntingdon, Pa.
*David Barcroft (F), Ph. B. Univ. of Cal. 1882. **August* 2, 1894.
Henry Gustav Beyer, M. D. Bellevue Hosp. 1876; M. R. C. S. (London); Director, Phys. Train. U. S. Naval Acad. 1891-95.—Surgeon, U. S. N.
Richard Newman Brackett, A. B. Davidson 1883; Chemist, Ark. Geol. Survey 1887-91.—Assoc. Prof. Chem. Clemson Coll. S. C.
Henry Crew (F), A. B. Princeton, 1882; Asst. 1887-88; Instr. Haverford 1888-91.—Prof. Physics, Northwestern Univ. Ill.
Albert E. Egge (F), A. B. Luther 1879; Prof. St. Olaf 1887-92; Instr. Iowa Univ. 1892-96.—Prof. English, Washington State Coll. Pullman.
John Charles Fields (F), A. B. Toronto 1884; Prof. Allegheny 1889-98.—Lecturer, Math. Toronto.
Andrew Fossum, A. B. Luther 1882.—Prof. Greek, St. Olaf Coll. Northfield, Minn.
Richmond Harding, A. B. Davidson 1880.—Prof. Greek, Davidson, N. C.
Charles Willard Hayes (F), A. B. Oberlin 1883; Lecturer 1903-04.—U. S. Geol. Survey, Washington.

William Adam Hedrick, A. M. Columbian 1884.—Instr. Physics, High School, Washington.

Frank Gaylord Hubbard, A. B. Williams 1880; Instr. Smith Coll. 1887-88, Univ. of Cal. 1888-92.—Prof. English, Univ. of Wis.

George Benjamin Hussey (F), A. B. Columbia 1884; Fellow, Princeton 1888-90; Instr. and Assoc. Prof. Univ. of Neb. 1891-94; Docent, Chicago 1894-1900; late Asst. Prof. Greek and Latin, Western Maryland Coll.—Classical Instr. N. Y.

James Hervey Hyslop (F), A. B. Wooster 1877; Instr. Bucknell 1888-89; Prof. Logic and Ethics, Columbia 1895-02.—Sec. Amer. Inst. for Scientific Research, N. Y.

Marion Dexter Learned (F), A. B. Dickinson 1880; Instr. Assoc. Assoc. Prof. 1886-95.—Prof. German, Univ. of Pa.

William Ridgely Orndorff (F), A. B. 1884.—Prof. Organ. Chem. Cornell.

Daniel Richard Randall (F), A. B. St. John's 1883.—Atty. at Law, Annapolis.

Frederick Morris Warren, A. B. Amherst 1880; Instr. and Assoc. 1886-91; Prof. Adelbert 1891-01.—Prof. Modern Lang. Yale; Lecturer, French Lit. (20)

1888

William Muss Arnolt (F), B. D. New Brunsw. Theol. Sem. 1882; Instr. 1891-93; Asst. Prof. Univ. of Mich. 1893; Instr. and Asst. Prof. Biblical Philol. and Asst. Recorder, Chicago 1893-1903.—Belmont, Mass.

Philip Wheelock Ayres (F), Ph. B. Cornell 1884.—Forester, Concord, N. H.

Louis Bell (F), A. B. Dartmouth 1884; Prof. Physics, Purdue 1888-89; Lecturer, Mass. Inst. Tech. 1900-01.—Elec. Engineer, Boston.

Benjamin Lester Bowen, A. B. Rochester 1881; Prof. Bowdoin 1888-89. —Prof. Romance Lang. Ohio State Univ. Columbus.

William Henry Burnham (F), A. B. Harvard 1882; Instr. 1888-89.—Asst. Prof. Pedagogy, Clark Univ.

Richard Eugene Burton, A. B. Trinity (Conn.) 1883; Lecturer, 1898. —Prof. English Lit. Univ. of Minn. Minneapolis.

John Pendleton Campbell (F), A. B. 1885.—Prof. Biology, Univ. of Ga. Athens.

Herbert Charles Elmer (F), A. B. Cornell 1883.—Asst. Prof. Latin, Cornell.

Robert Orlando Graham, A. B. Amherst 1877.—Prof. Chem. and Geol. and Dean, Grad. Dept. Illinois Wesleyan, Bloomington.

Erasmus Haworth, S. B. Kansas Univ. 1881; Prof. Oskaloosa 1882-92.—Prof. Phys. Geol. Kansas Univ. Lawrence.

Francis Hobart Herrick, A. B. Dartmouth 1881.—Prof. Biol. Adelbert, Cleveland.

William Herbert Hobbs (F), S. B. Worcester Polytech. 1883. — Prof. Mineral. Univ. of Wis. Madison.

Joseph Hoeing Kastle (F), Ky. State Coll. (S. B. 1884, Prof. Chem. 1888-1905).—Chief, Div. of Chem. Bureau of Public Health, Wash.

Andrew Cowper Lawson (F), A. B. Toronto 1883.—Prof. Mineral. and Geol. Univ. of Cal. Berkeley.

Felix Lengfeld (F), Prof. S. Dak. School of Mines 1890-91; Instr. Univ. of Cal. 1891-92; Docent, Tutor, Asst. Prof. Chicago 1892-1901.—Chemist, San Francisco.

Archibald Byron Macallum, A. B. Toronto 1886; LL. D. Aberdeen 1906.—Assoc. Prof. Physiol. Univ. of Toronto.

John Ernst Matzke, A. B. Hope Coll. 1882; Prof. Bowdoin 1889-90, Indiana Univ. 1890-91; Assoc. 1891-93.—Prof. Romanic Lang. Stanford.

*Thomas McCabe (F), A. B. 1886; Instr. Univ. of Mich. 1888-89; Prof. Indiana Univ. 1889-90; Assoc. Romance, Bryn Mawr 1890-91. **February* 22, 1891.

Yujiro Motora (F), Doshisha Kyoto, Japan, 1879.—Prof. Psychol. Univ. of Tokyo.

Julius Nelson (F), S. B. Wis. 1881.—Prof. Biology, Rutgers.

George Thomas White Patrick (F), A. B. Iowa Univ. 1878; B. D. Yale 1885.—Prof. Philos. Iowa Univ.

Edmund Clark Sanford (F), A. B. Cal. 1883; Instr. 1888-89. — Prof. Exper. Psychol. Clark Univ.

Henry Taber, Ph. B. Yale 1882; Asst. 1888-89.—Prof. Math. Clark Univ.

*Amos Griswold Warner (F), Univ. of Neb. (B. L. 1885, Prof. 1889-91); Gen. Sec. Charity Organ. Soc. Balt. 1887-89; Supt. of Charities, D. C. 1891-93; Lecturer 1892-93; Prof. Econ. Stanford, 1893-1900. **January* 18, 1900.

John Roaf Wightman (F), A. B. Toronto 1871; Prof. Iowa Coll. 1889-91; Assoc. Prof. Univ. of Neb. 1891-93.—Prof. Romance Lang. Oberlin.

Henry Van Peters Wilson (F), A. B. 1883; Bruce Fellow 1888-89.—Prof. Biol. Univ. of N. C. Chapel Hill.

Thomas Kimber Worthington, A. B. Haverford 1883; LL. B. Univ. of Md. 1900.—Lancaster, Pa. (27)

1889

Charles McLean Andrews (F), Trinity (A. B. 1884, L. H. D. 1905); Assoc. Assoc. Prof. and Prof. Bryn Mawr 1889-1907.—Prof. History.

Frank Wilson Blackmar (F), Ph. B. Univ. of Pacific 1881.—Prof. Hist. etc. Univ. of Kansas, Lawrence.

Jeffrey Richardson Brackett, A. B. Harvard 1883; Pres. Supervisors of Charities, Balt. 1900-04; Lecturer 1897-04.—Assoc. Prof. Theory and Prac. of Philanth. Work, Simmons Coll.; Instr. Harvard; Director, School for Social Workers, Boston.

William Merriam Burton (F), A. B. Adelbert 1886.—Supt. Standard Oil Co. Whiting, Ind.

Morgan Callaway, Jr. (F), A. B. Emory (Ga.) 1881; Prof. Southwestern Univ. 1889-90.—Prof. English, Univ. of Texas, Austin.

Alfred Robert Louis Dohme, A. B. 1886.—Mfg. Chemist, Balt.; Instr. Pharmacy.

*William Curns Lawrence Gorton (F), A. B. 1886; Assoc. Prof. and Prof. Math. Woman's Coll. Balt. 1888-94. **November* 8, 1894.

Joseph Edward Harry (F), A. B. 1886; Prof. Georgetown, Ky. 1889-1900.—Acting Pres. (1904), Dean. Grad. School, Prof. Greek, Univ. of Cincinnati.

*George Allison Hench (F), A. B. Lafayette 1885; Instr. Asst. Prof. Prof. German, Univ. of Mich. 1890-99. **August* 16, 1899.

Clifton Fremont Hodge (F), A. B. Ripon 1882; Instr. Univ. of Wis. 1891-92.—Asst. Prof. Physiol. Clark.

Cary Talcott Hutchinson (F), Ph. B. Washington Univ. 1886; Acting Assoc. Prof. Electricity, 1898-99.—Consulting Engineer, N. Y.

James Thomas Lees, A. B. Adelbert 1886.—Prof. Greek Hist. and Lit. Univ. of Neb. Lincoln.

Archibald MacMechan (F), A. B. Toronto 1884.—Prof. English, Dalhousie, N. S.

Charles William Moulton, A. B. Univ. of Minn. 1885.—Prof. Chem. Vassar.

Albion Woodbury Small, Colby (A. B. 1876, LL. D. 1900, Pres. 1889-92); Reader 1888-89.—Prof. Sociol. Chicago.

Charles Lee Smith (F), S. B. Wake Forest 1884; Instr. 1889-91; Gen. Sec. Charity Organ. Soc. Balt. 1889-91; Prof. Hist. William Jewell 1891-05; Pres. Mercer Univ. 1905-06. Raleigh, N. C.

Kirby Flower Smith, A. B. Univ. of Vt. 1884.—Prof. Latin.

Rev. Lemon Leander Uhl, A. B. Wittenberg 1871.—Boston.

*Arthur Clarence Wightman (F), A. B. Wofford 1879; Demonstr. 1889-90; Prof. Md. Agric. 1890-91; Prof. Biol. and Phys. Randolph-Macon 1891-05. **November* 12, 1905.

*William Klapp Williams, A. B. 1886. **June* 4, 1897. (20)

1890

Joseph Sweetman Ames (F), A. B. 1886.—Prof. Physics.

Rev. Edward Carey Applegarth (F), A. B. 1887; M. D. Phys. and Surg. Balt. 1892.—Clergyman, Boston.

Charles Cotton Blackshear, A. B. Mercer 1881; Instr. Bryn Mawr 1890-91.—Prof. Chem. Woman's Coll. Balt.

Charles Hiram Chapman (F), A. B. 1888, Instr. and Assoc. 1889-92; Pres. Univ. of Oregon 1893-99.—Woodland, Wash.

Rudolf John Julius De Roode, Jr. (F), S. B. Ky. State Coll, 1885.—Supt. Bureau of Tests, Internat. Paper Co., N. Y.

George Peter Dreyer (F), A. B. 1887, Demonstr. Assoc. Assoc. Prof. 1890-1900.—Prof. Physiol. Med. Dept. Univ. of Ill. Chicago.

Edwin Whitfield Fay (F), A. M. Southwest. Presb. 1883; Instr. Mich. 1890-91; Acting Prof. Univ. of Texas 1892-93; Prof. Washington and Lee 1893-99.—Prof. Latin Univ. of Texas, Austin.

Henry Torsey Fernald, S. B. Maine State Coll. 1885.—Prof. Entomol. Mass. Agric. Coll. Amherst.

Henry Brayton Gardner (F), A. B. Brown 1884.—Prof. Polit. Econ. Brown Univ., Providence.

Charles Jaques Goodwin (F), A. B. Bowdoin 1887; Prof. Cornell Coll. 1890-92; Tutor, Wesleyan 1892-95; Acting Prof. St. Stephen's, N. Y. 1898-99.—Prof. Greek, Lehigh, S. Bethlehem, Pa.

Charles Homer Haskins, A. B. 1887, Instr. 1889-90; Asst. Prof. and Prof. Wisconsin 1890-1902.—Prof. Hist. Harvard.

James Taft Hatfield (F), A. B. Northwestern 1883.—Prof. German Northwestern Univ. Evanston, Ill.

John Cohn Hemmeter, M. D. Univ. of Md. 1883.—Clin. Prof. Med. Univ. of Md.; Physician, Balt.

Charles Holmes Herty, Univ. of Ga. (Ph. B. 1886, Adj. Prof. Chem. 1894-1902).—Prof. Chem. Univ. of N. C. Chapel Hill.

Jesse Herman Holmes, A. B. Univ. of Neb. 1884.—Prof. Hist. of Religion and Philos. Swarthmore.

*Rev. Abel Henry Huizinga (F), A. B. Hope Coll. 1880; Adj. Prof. McCormick Theol. Sem. 1894-96. **September* 11, 1905.

Toyokichi Iyenaga, Ph. B. Oberlin 1887; late Prof. Polit. Sci. Semmo Gakko, Tokyo.—Univ. Extension Lecturer, Univ. of Chicago.

Thomas Logie (F), A. B. Toronto 1887; Asst. Prof. Williams 1890-93; Assoc. Prof. Rutgers 1893-98.—Prof. Romance Lang. Univ. of Cape Town, Africa.

Hiram Benjamin Loomis (F), A. B. Trinity (Conn.) 1885; Instr. Univ. of Wis. 1890-93; Asst. Prof. Northwestern 1893-96, and Instr. in the Academy 1896-97; late Science Instr. Medill High School, Chicago.—Western Springs, Ill.

Herbert William Magoun (F), A. B. Iowa 1879; Acting Prof. Colo. Coll. 1890-91, Oberlin 1892-95; late Prof.

Latin, Redfield Coll. — Cambridge, Mass.

John Hanson Thomas McPherson (F), A. B. 1886; Instr. Univ. of Mich. 1890-91.—Prof. Hist. Univ. of Ga. Athens.

Wilmot Vernon Metcalf, A. B. Oberlin 1883; Prof. Chem. and Phys. Carleton Coll. 1890-03.—West Williamsfield, Ohio.

Thomas Hunt Morgan (F), S. B. Ky. State Coll. 1886; Bruce Fellow 1890-91; Prof. Bryn Mawr 1891-04. — Prof. Exper. Zoology, Columbia.

Augustus Taber Murray (F), A. B. Haverford 1885; Prof. Earlham 1888-91; Colorado Coll. 1891-92.— Prof. Greek Stanford.

Wyatt William Randall, A. B. St. John's 1884; Asst. and Assoc. 1890-98. — Head Master, Mackenzie School, Dobbs Ferry, N. Y.

*George Mann Richardson (F), Lehigh (A. C. 1886, Instr. 1890-91); Assoc. Prof. and Prof. Organ. Chem. Stanford 1891-1902. **July* 26, 1902.

Joseph Samuel Shefloe (F), A. B. Luther 1885.—Prof. Romance Lang. and Librarian, Woman's Coll. Balt.

Robert Benson Steele (F), A. B. Wis. 1883; Prof. St. Olaf 1890-91, Illinois Wesleyan 1891-1901.—Adj. Prof. Latin, Vanderbilt, Nashville.

Andrew Stephenson, A. B. Ind. Asbury 1882; Assoc. Prof. Wesleyan 1890-94.—Prof. History, De Pauw, Greencastle, Ind.

Frederick Jackson Turner, A. B. Wis. 1884; Lecturer, Harvard, 1903-04.— Prof. Amer. Hist. Univ. of Wis.

John Martin Vincent, A. B. Oberlin 1883.—Prof. European History.

Shozaburo Watase (F), S. B. Sapporo Agric. 1884; Bruce Fellow 1889-90; Lecturer and Asst. Clark 1890-92; Reader and Asst. Prof. Chicago 1892-99.—Prof. Zoology, Univ. of Tokyo.

James Albert Woodburn (F), A. B. Indiana 1876. — Prof. Amer. Hist. Indiana Univ. Bloomington.

(33)

1891

Alfred Bagby, Jr., A. B. Richmond 1885; Adj. Prof. Greek, S. C. Univ. 1891-93.—Atty.-at-Law, Balt.

James William Black, A. B. 1888; Acting Prof. Georgetown, Ky. 1891-92; Assoc. Prof. Oberlin 1892-94.— Prof. Hist. Colby, Waterville, Me.

Charles Pliny Brigham, A. B. 1888.— Greenport, Long Island, N. Y.

Charles Edward Coates, Jr., A. B. 1887; Prof. St. John's 1891-93. — Prof. Chem. La. State Univ. Baton Rouge.

Edwin Grant Conklin (F), Ohio Wesleyan (S. B. 1885, Prof. 1891-94); Prof. Northwestern 1894-95.—Prof. Zool. Univ. of Pa.

Paul Joseph Dashiell, A. B. 1887; Instr. Lehigh 1889-90, 1891-92. — Prof. Math. U. S. Navy; Intr. Chem. U. S. Naval Acad.

Herman Louis Ebeling (F), A. B. 1882; Prof. Miami 1891-99; Instr. and Acting Prof. Haverford 1901-03.—Asst. Prof. Greek, Hamilton, Clinton, N. Y.

William Snyder Eichelberger (F), A. B. 1886; Instr. Wesleyan 1891-96.—Prof. Math. U. S. Navy, Wash.

Thomas Perrin Harrison (F), S. C. Mil. Acad. 1886; Assoc. Prof. Clemson 1891-95.—Prof. English, Davidson, N. C.

Walter Jones, A. B. 1888; Acting Prof. Wittenberg 1891-92; Instr. and Prof. Purdue 1892-95.—Assoc. Prof. Physiol. Chem.

Henry Parker Manning (F), A. B. Brown 1883. — Assoc. Prof. Pure Math. Brown Univ. Providence.

George Frederick Metzler, A. B. Albert Coll. 1889; Instr. Univ. of Mich. 1892-93, Queen's Univ. Ont. 1895-96.

William McCracken Milroy, A. B. Geneva 1887.—Prof. Latin, Geneva Coll. Beaver Falls, Pa.

John Leverett Moore (F), Princeton (A. B. 1881, Tutor 1882-85); Instr. 1888-89. — Prof. Greek and Latin, Vassar.

Wilfred Pirt Mustard (F), A. B. Toronto 1886; Prof. Colorado Coll. 1891-93, Haverford 1893-1907. — Collegiate Prof. Latin.

Barker Newhall (F), A. B. Haverford 1887; Instr. Brown 1892-95, Bates Coll. 1895-96.—Prof. Greek, Kenyon Coll. Gambier, Ohio.

George Petrie, A. M. Vo. 1887.—Prof. Hist. Ala. Polytech. Auburn.

Edward Bennett Rosa (F), Wesleyan (S. B. 1886, Prof. 1891-1903).—Chief Physicist, Bureau of Standards, Washington; Prof. Physics, George Washington Univ.

Edward Alsworth Ross, A. B. Coe Coll. 1886; Prof. Indiana Univ. 1891-92; Assoc. Prof. Cornell 1892-93; Prof. Stanford 1893-1900, Univ. of Neb. 1901-05.—Prof. Sociol. Univ. of Wis.

Charles Edward Saunders (F), A. B. Toronto 1888; Prof. Central Univ. Ky. 1891-93.—Ottawa, Canada.

*Sidney Sherwood, A. B. Princeton 1879; Instr. Univ. of Pa. 1891-92; Assoc. and Assoc. Prof. Polit. Econ. 1892-1901. **August* 5, 1901.

Moses Stephen Slaughter (F), A. B. Ind. Asbury 1883; Instr. Bryn Mawr 1887-88; Prof. Iowa Coll. 1889-96.—Prof. Latin, Univ. of Wis.

Bernard Christian Steiner (F), A. B. Yale 1888; LL. B. Univ. of Md. 1894; Instr. Williams 1891-92; Prof. Balt. Univ. School of Law 1897-1900; Dean and Prof. Balt. Law School 1900-04.—Librarian, Pratt Library; Assoc. History.

William Howe Tolman, A. B. Brown 1882.—Director, American Inst. of Social Service, N. Y.

Stephen Beauregard Weeks A. B. N. C. Univ. 1886; LL. D. Wake Forest 1902; Prof. Trinity (N. C.) 1891-93. —Supt. Indian School Service, San Carlos, Ariz.

John White, Jr. (F), A. B. 1888; Asst. Cornell 1891-93; Prof. Univ. of Neb. 1893-1903. — Prof. Chem. Rose Polytech. Terre Haute.

Westel Woodbury Willoughby (F), A. B. 1888; Acting Asst. Prof. Stanford 1894-95.—Prof. Polit. Science.

Arthur Burnham Woodford, Ph. B. Yale 1881; Indiana Univ. (A. M. 1886, Prof. 1885-89); Instr. Univ. of Pa. 1891-92; Prof. Sch. of Soc. Econ. N. Y. 1892-96; Lecturer, New York Univ. 1895-98. — Instr. Hopkins Gram. Sch. New Haven (28)

1892

Eugene Thomas Allen A. B. Amherst 1887; Acting Prof. Univ. of Colo. 1892-93; Asst. Harvard 1894-95; Prof. Chem. Mo. School of Mines 1895-01.—U. S. Geol. Survey, Wash.

William Wilson Baden (F), A. B. 1881; LL. B. Univ. of Md. 1883; Prof. Southwestern Univ. 1892-93, Central (Ky.) 1893-96.—Prof. Greek and Latin, Idaho Univ. Moscow.

Robert Payne Bigelow (F), S. B. Harvard 1887; Bruce Fellow 1891-93.—Instr. Biology and Librarian, Mass. Inst. Tech.

Edwin Winfield Bowen, A. B. Rand.-Macon 1887; Asst. Prof. Univ. of Mo. 1892-93.—Prof. Latin Randolph-Macon, Ashland, Va.

Immanuel Moses Casanowicz.—Aid, Div. of Historic Archæol. U. S. National Museum, Washington.

Starr Willard Cutting, A. B. Williams 1887.—Prof. German Lit. Chicago.

Rev. William Levering Devries (F), A. B. 1888; S. T. B. Gen. Theol. Sem. N. Y. 1894.—Clergyman, Washington.

Albert Bernhardt Faust (F), A. B. 1889, Instr. 1894-96; Assoc. Prof. Wesleyan 1896-1903; Asst. Prof. Univ. of Wis. 1903-04.—Asst. Prof. German, Cornell.

George Wilton Field, Brown Univ. (A. B. 1887, Assoc. Prof. 1893-96); Prof. R. I. Agric. Coll. 1896-1901; Lecturer, Mass. Inst. Tech. 1901-04. —Zoologist, Mass. Board of Fisheries.

Joseph Elliott Gilpin, A. B. 1889. — Assoc. Chemistry.

John Leslie Hall (F).—Prof. English and Hist. William and Mary Coll. Va.

William Asbury Harris (F), A. M. Richmond 1886; Acting Prof. Ripon 1892-93; Prof. Baylor 1893-1901.— Prof. Greek, Richmond Coll. Va.

Frederick Clemson Howe, A. B. Allegheny 1889.—Atty. at Law, Cleveland; Prof. Baldwin Univ. Ohio.

William Isaac Hull, A. B. 1889.— Prof. Hist. Swarthmore, Pa.

Harry Clary Jones (F), A. B. 1889.— Prof. Physical Chem.

James Lawrence Kellogg (F), Olivet (S. B. 1888, Prof. 1892-99).— Prof. Biol. Williams Coll.

Charles Rollin Keyes (F), S. B. Iowa Univ. 1887; Prest. N. Mex. Sch. of Mines 1902-06.—Mining Geologist, Socorro, N. Mex.

Elmer Peter Kohler (F), A. B. Muhlenberg 1886. — Prof. Chem. Bryn Mawr.

*Paul Erasmus Lauer (F), A. B. Adelbert 1885; Asst. Supt. of Schools, Cleveland, 1892-93. **February* 20, 1893.

Edwin Seelye Lewis (F), A. B. Wabash 1888.—Prof. Romance Lang. Princeton.

David Judson Lingle (F), S. B. Chicago 1885. — Asst. Prof. Physiol. Chicago.

Alvin Frank Linn (F), A. B. Wittenberg 1884.—Prof. Chem. and Mineral. Wittenberg Coll. Springfield, O.

James Alexander Lyman, A. B. Beloit 1888; Docent, Chicago 1892-93. —Instr. Chem. Portland Academy, Oregon.

John Hanson Thomas Main (F), A. B. Moore's Hill 1880; Iowa Coll. Grinnell (Acting Pres. 1900-02, Prof. Greek and Dean 1892-05, now Pres.).

Frank Jewett Mather, Jr. (F), Williams (A. B. 1889, Instr. 1892-1900). —Asst. Ed. *Evening Post*, N. Y.

Michael Andrew Mikkelsen (F), A. B. Luther 1886.—Asst. Ed. *Sun*, N. Y.

Robert Milton Parks, Jr., A. B. Indiana 1879; Prof. Furman 1892-93, Central (Ky.) 1893-1900. — Prof. Chem. Manual Train. School, Louisville.

Charles Lane Poor (F), S. B. N. Y. City Coll. 1886; Instr. Assoc. Assoc. Prof. 1891-99. — Prof. Astron. Columbia.

John Dyneley Prince (F), A. B. Columbia 1888; Prof. N. Y. Univ. 1892-02. — Prof. Semitic Lang. Columbia.

John Cunningham Robertson (F), A. M. Va. 1885.—Prof. Greek, St. Stephen's Coll. Annandale, N. Y.

*Charles Hunter Ross (F), S. B. Ala. Agric. 1886; Prof. Mod. Lang. Southwestern Univ. 1890-91, Ala. Polytech. 1892-1900. **February* 23, 1900.

Harry Luman Russell, S. B. Wis. 1888.—Prof. Bacteriol. and Dean, Coll. of Agric., Univ. of Wis.

William Amasa Scott, A. B. Rochester 1886.—Prof. Economic Hist. and Theory, and Director, Course in Commerce, Univ. of Wis. Madison.

Wm. Bush Shober, A. B. St. John's 1885.—Acting Prof. Chem. Lehigh.

Martin Bell Stubbs, A. B. Haverford 1888; Instr. Chem. Ursinus 1900-01. —U. S. Weather Bureau, New Orleans.

Harry Maas Ullmann, A. B. 1889; Hon. Fellow, Chicago 1892-93. — Asst. Prof. Anal. and Indus. Chem. Lehigh.

Bert John Vos (F), A. B. Mich. 1888; Instr. Chicago 1892-93. — Assoc. Prof. German. (37)

1893

Henry Harold Ballard, A. B. 1888; Instr. Rose Polytech. 1893-96.— Princ. High School, Northport, N. Y.

Florence Bascom, S. B. Wis. 1884; Instr. Ohio State Univ. 1893-95.— Assoc. Prof. Geol. Bryn Mawr.

Jasper Luther Beeson, A. B. Univ. of Ala. 1889.—Prof. Chem. and Phys. Ga. Normal and Industrial Coll. Milledgeville.

Alexander Mitchell Carroll (F), Richmond (A. M. 1888, Prof. 1895-97); Reader 1898-99.—Prof. Class. Philol. George Washington Univ.

*Andrew Fuller Craven, LL. B. Chicago 1880; A. B. Harvard 1889; Prof. Politics and Econ. Columbian 1893-04. **March* 2, 1904.

John Bascom Crenshaw, A. M. Rand.-Macon 1881; Instr. 1893-99; Instr. Balt. City Coll. 1903-04.—Prof. German and French, Ga. Sch. of Tech. Atlanta.

Ulysses Sherman Grant (F), S. B. Univ. of Minn. 1888. — Prof. Geol. Northwestern Univ. Ill.

David I. Green, A. B. Alfred Univ. 1885.—Supt. Organ. Charities, Hartford, Conn.

William Richard Grey, A. B. Davidson 1884.—Prof. Latin and French, Davidson, N. C.

George Henry Haynes, A. B. Amherst 1887.—Prof. Hist. and Polit. Sci. Worcester Polytech. Mass.

Charles Downer Hazen, A. B. Dartmouth, 1889. — Prof. Hist. Smith Coll. Northampton, Mass.

Frank Irving Herriott, Iowa Coll. (A. B. 1890, late Prof. Economics). —Des Moines, Iowa.

David Hull Holmes (F), A. B. Iowa Wesleyan 1885; Acting Prof. Allegheny 1893-94; Prof. Univ. of Kansas 1896-97. — Class Instr. High School, Brooklyn.

Arthur John Hopkins (F), A. B. Amherst 1885; Prof. Westminster Coll. (Pa.) 1893-94.—Assoc. Prof. Chem. Amherst.

Theodore Hough (F), A. B. 1886; Instr. and Asst. Prof. Mass. Inst. Tech. 1893-1903.—Assoc. Prof. Biol. Simmons Coll. Boston.

James Alton James (F), B. L. Wis. 1888; Prof. Cornell Coll. 1893-96; Shaw Lecturer, 1904-05.—Prof. European Hist. Northwestern Univ. Ill.

Henry Read McIlwaine, A. B. Hampden-Sidney 1884.—Prof. English and Hist. Hampden-Sidney, Va.

*Louis Emil Menger (F), A. B. Miss. Coll. 1888; Instr. and Assoc. 1893-97; Assoc. Prof. and Prof. Romance Philol. Bryn Mawr 1897-1903. **August* 5, 1903.

Colyer Meriwether, A. B. 1886.—Instr. English, etc. Washington High Sch.

*Luclus Salisbury Merriam (F), S. B. Vanderbilt 1889; Instr. Pol. Econ. Cornell 1893. **November* 18, 1893.

Maynard Mayo Metcalf (F), A. B. Oberlin 1889; Bruce Fellow 1893; Prof. Woman's Coll. Balt. 1893-06. —Prof. Zool. Oberlin.

Daniel Alexander Murray (F), A. B. Dalhousie 1884; Assoc. Prof. N. Y. Univ. 1890-94; Instr. Cornell 1894-1901.—Prof. Math. Dalhousie, Halifax, N. S.

William Peters Reeves, A. B. 1889; Asst. Union 1895-97; Prof. Iowa Univ. 1897-1900. — Prof. English, Kenyon, Gambier, Ohio.

Charles Alphonso Smith, A. B. Davidson 1884; Prof. La. Univ. 1893-02. —Prof. English, Univ. of N. C. Chapel Hill.

George Owen Squier (F), U. S. Mil. Acad. 1887. — Major, U. S. Signal Corps, Washington.

John Nesbit Swan, A. B. Westminster (Pa.) 1886.—Prof. Chem. Monmouth Coll. Ill.

Frederick Tupper, Jr. (F), A. B. Charleston 1890; Prof. Wells Coll. 1893-94.—Prof. Rhetoric and English Lit. Univ. of Vt. Burlington.

Frank Alfred Wolff, Jr. (F), A. B. 1890. — Prof. George Washington Univ.; Physicist, Bureau of Standards, Wash. (28)

1894

James Nesbit Anderson, A. M. Va. 1887; Prof. Univ. of Oklahoma, 1894-96; late Instr. Latin, Vanderbilt.

John Spencer Bassett (F), Trinity, N. C. (A. B. 1888, Prof. 1894-1906). —Prof. Hist. Smith Coll. Northampton Mass.

William Julian Albert Bliss, A. B. Harvard 1888; Instr. Woman's Coll. Balt. 1894-95. — Collegiate Prof. Physics.

James Douglas Bruce, A. M. Va. 1883; Prof. Centre Coll. (Ky.) 1890-91; Assoc. Prof. Bryn Mawr 1891-1900.—Prof. English, Univ. of Tenn. Knoxville.

James Dowden Bruner, A. B. Franklin Coll. 1888; Prof. Univ. of Ill. 1893-95; Asst. Prof. Chicago 1895-98.—Assoc. Prof. Romance Lang. Univ. of N. C. Chapel Hill.

John Emery Bucher, A. C. Lehigh 1891; Instr. Tufts 1894-97; Assoc. Prof. R. I. Agric. Coll. 1897-1900.— Assoc. Prof. Organ. Chem. Brown Univ. Providence.

Frank Kenneth Cameron, A. B. 1891; Fellow and Asst. Cornell, 1894-95, 1897-98; Asst. Prof. Catholic Univ. 1895-97.—Scientist, Bureau of Soils, Agric. Dept. Washington.

*William Embert Chamberlin, A. B. Oberlin 1887; Instr. Wabash Coll. 1894-95.—Analyt. Chemist, N. Y.

Abraham Cohen (F), A. B. 1891.—Assoc. Mathematics.

Louis Leaming Forman, A. M. Univ. of Pa. 1890.—Instr. Greek, Cornell.

Edward Curtis Franklin, Univ. of Kan. (S. B. 1888, Assoc. Prof. Prof. 1894-03).—Assoc. Prof. Organ. Chem. Stanford.

Joseph Hendren Gorrell, A. B. Washington and Lee 1888.—Prof. Modern Lang. Wake Forest Coll. N. C.

George Perry Grimsley, A. B. Ohio State Univ. 1890; Prof. Geol. Washburn Coll. 1894-04.—Asst. State Geologist, Morgantown, W. Va.

Ross Granville Harrison (F), A. B. 1889; M. D. Bonn 1899; Bruce Fellow 1894; Lecturer Bryn Mawr 1894-95.—Assoc. Prof. Anatomy.

*Robert Nelson Hartman, A. B. Pa. Coll. 1891; Instr. Tufts Coll. 1896-99; Prof. Chem. Colo. Sch. of Mines 1899-1903. **May* 8, 1903.

Jacob H. Hollander (F), A. B. 1891.—Prof. Polit. Economy.

Lorrain Sherman Hulburt, A. B. Wis. 1883; Prof. Univ. of S. Dak. 1887-91; Fellow, Clark 1891-92.—Collegiate Prof. Mathematics.

Masanobu Ishizaka, Ph. B. Albion 1891.—Lecturer, Hist. and Econ. Aoyama-Gaku-In, Tokyo.

Thomas Atkinson Jenkins, A. B. Swarthmore 1887; Prof. Vanderbilt 1895-1900, Swarthmore 1900-01.—Assoc. Prof. French, Chicago.

Christopher Johnston (F), Va. (B. Litt. 1876, A. B. 1878, A. M. 1879); M. D. Univ. of Md. 1880.—Assoc. Prof. Oriental Hist. and Archæol.

Emory Bair Lease (F), A. B. Ohio Wesleyan 1885; Prof. Allegheny 1894-96; Asst. Prof. Mich. 1896-99; Instr. Wesleyan (Conn.) 1899-1901.—Instr. Latin, N. Y. City Coll.

Arthur Stanley Mackenzie (F), A. B. Dalhousie 1885; Prof. Bryn Mawr 1894-05.—Prof. Physics, Dalhousie, N. S.

*Edward Payson Manning (F), A. B. Brown 1889; Instr. Math. St. Lawrence Univ. 1894-95. **Feb.* 15, 1897.

Charles Carroll Marden, A. B. 1889; Instr. Mich. 1890-91.—Prof. Spanish.

Edward Bennett Mathews (F), A. B. Colby 1891.—Prof. Mineralogy and Petrography.

Philip Randle Moale, A. B. 1889.—Chemist, Asheville, N. C.

Constance Pessels, Univ. of Texas (B. L. 1886, late Instr. in English).—Instr. High School, San Antonio.

Jesse Siddall Reeves, S. B. Amherst 1891; Shaw Lecturer 1905-06.—Atty. at Law, Richmond, Ind.

Arthur Percy Saunders (F), A. B. Toronto 1890; Instr. Wis. 1894-96; Asst. McGill 1898-99, Cornell 1899-1900.—Prof. Chem. Hamilton Coll. Clinton, N. Y.

Robert Lincoln Slagle, A. B. Lafayette 1887; Prof. and Pres. S. Dak. Sch. of Mines, 1897-05.—Pres. S. Dak. Agric. Coll. Brookings.

Rev. Daniel Gurden Stevens, Jr. (F), A. B. 1891; B. D. Crozer Theol. Sem. 1897.—Clergyman, Bryn Mawr, Pa.

Frederick Henry Sykes (F), A. B. Toronto 1885; Prof. Western Univ. (Ont.) 1895-97; Lecturer 1900-02.—Director, Extension Teaching, Columbia.

*Milo Scott Walker, Ph. D. Wooster 1899; late Instr. Chem. McKinley High School, Chicago. **Decembor* 30, 1903.

George Francis Weida (F), Prof. Blackburn 1894-96, Baker 1896-97, Kansas Agric. Coll. 1897-1903.—Prof. Chem. Ripon Coll. Wis. (34)

1895

Rufus Mather Bagg, A.B. Amherst 1891; Asst. 1895-97; Acting Prof. Colo. Coll. 1898-99; late Prof. N. Mex. School of Mines.—Mining Geologist, W. Springfield, Mass.

Thomas Stockham Baker (F), A. B. 1891.—Prof. Mod. Lang. Tome Inst. Port Deposit, Md.; Lecturer, German.

James Curtis Ballagh, A. B. 1894; LL. D. Univ. of Ala. 1906.—Assoc. Prof. American History.

Daniel Base, A. B. 1891.—Assoc. Prof. Chem. Md. Coll. of Pharmacy and Coll. of P. and S. Balt.

Henry Marvin Belden, A. B. Trinity (Conn.) 1888.—Assoc. Prof. English, Univ. of Missouri.

Arthur Fisher Bentley (F), A. B. 1892.—Chicago.

Samuel Walker Beyer (F), S. B. Iowa Agric. 1889.—Assoc. Prof. Geol. Iowa Agric. Coll. Ames.

*William Bromwell, A. B. 1888; Instr. Chem. Pratt Inst. Brooklyn, 1896-98. **September* 30, 1898.

Clarence Griffin Child (F), A. B. Trinity (Conn.) 1886.—Prof. English and Dean, Faculty of Philos. Univ. of Pa.

Fonger DeHaan (F), Asst. Instr. Assoc. 1894-97.—Assoc. Prof. Spanish, Bryn Mawr.

Charles Sumner Estes, A. B. Colby 1884; Prof. Furman 1896-98.—Instr. Latin, High School, Brooklyn.

Henry Fay, A. B. Lafayette 1889.—Asst. Prof. Chem. Mass. Inst. Tech.

Henry Stewart Gane (F), A. B. Amherst 1891.—U. S. Geol. Survey, Washington.

George William Gray, A. B. 1890.—Chemist, Standard Oil Co. Whiting, Ind.

John Joseph Griffin, A. B. Ottawa Univ. 1881.—Prof. Chem. Catholic Univ. D. C.

William August Haussmann (F), A. B. 1892.—Instr. German, Central High Sch. Phila.

John Haynes, A. B. Williams 1888; Prof. Hist. Norwich Free Acad. 1895-99. — Junior Master, High School, Dorchester, Mass.

Samuel Rivers Hendren, A. B. Wash. and Lee, 1892.—Staunton, Va.

Howard Haynes Higbee, A. B. Yale 1884; Instr. Tufts 1895-96; Prof. Hamilton 1896-1900.—Prof. Chem. and Phys. Antioch Coll. Yellow Springs, O.

Rockwell Dennis Hunt, Ph. B. Napa Coll. 1890; Prof. Hist. Univ. of the Pacific, 1895-1901. — Princ. High School, San Jose, Cal.

Joseph Rufus Hunter, A. B. Wake Forest 1895; Prof. Chem. Richmond Coll. 1895-1905. — Raleigh, N. C.

George Wesley Johnston (F), A. B. Toronto 1886; Acting Asst. Prof. Cornell 1895-96.—Lecturer, Latin, Univ. of Toronto.

Thomas Franklin Kane (F), A. B. De Pauw 1888; Prof. Olivet 1895-1900.—Prest. and Prof. Latin, Univ. of Wash. Seattle.

William Jay Karslake, S. B. Lafayette 1891; Instr. Dalhousie 1895-96; Prof. Butler Coll. 1896-06.—Asst. Prof. Chem. Iowa Univ. Iowa City.

George Charles Keidel (F), A. B. 1889.—Assoc. Romance Lang.

William Hamilton Kirk (F), A. B. 1893; Instr. Vanderbilt 1895-1900.—Prof. Latin, Rutgers, New Brunswick, N. J.

John Holladay Latane, A. B. 1892, Shaw Lecturer 1898-99; Prof. Randolph-Macon Woman's Coll. 1898-02.—Prof. Hist. Wash. and Lee, Lexington, Va.

Exum Percival Lewis, S. B. Columbian 1888.—Asst. Prof. Physics, Univ. of Cal.

William Henry Maltbie (F), A. B. Ohio Wesleyan 1890.—Prof. Math. and Registrar, Woman's Coll. Balt.

Solomon Reid McKee, A. B. Davidson 1888; Prof. Ogden Coll. 1895-99. —Prof. Chem. Southwestern Presb. Clarksville, Tenn.

Thomas Francis Moran (F), A. B. Mich. 1887.—Prof. Hist. etc. Purdue Univ. Lafayette, Ind.

Louis Trenchard More (F), Ph. B. Wash. Univ. 1892; Instr. Worcester Polytech. 1895-96; Adj. Prof. Univ. of Neb. 1896-1900.—Prof. Physics, Univ. of Cincinnati.

Anthony Moultrie Muckenfuss, A. B. Wofford 1889; Prof. Millsaps Coll. 1893-02, Univ. of Ark. 1902-05.—Prof. Chem. Univ. of Miss.

Lyman Churchill Newell, Ph. B. Brown 1890.—Prof. Chem. Boston Univ. Boston.

James Flack Norris (F), A. B. 1892; Instr. and Asst. Prof. Mass. Inst. Tech. 1895-04.—Prof. Chem. Simmons Coll. Boston.

Edwin Fitch Northrup (F), A. B. Amherst 1891; Assoc. Prof. Physics, Univ. of Texas, 1896-97.—Phila.

Robert Somerville Radford, Va. (B. Ph. 1889, Ph. D. 1891, A. M. 1892); Prof. Washburn 1897-98; Assoc. Bryn Mawr 1899-01.—Prof. Latin, Elmira Coll. N. Y.

Rene de Saussure, Ecole Polytech. Paris; Prof. Math. Catholic Univ. 1895-99.—Switzerland.

Thomas Edward Shields, A. M. St. Mary's Sem. (Balt.) 1892; Instr. St. Paul's Sem. Minn. 1895-1902.—Asst. Prof. Physiol. Psychol. Catholic Univ. D. C.

John Archer Silver, A. B. Princeton 1886.—Prof. Hist. Hobart, Geneva, N. Y.

*Alfred William Stratton (F), A. B. Toronto 1887; Asst. and Assoc. Chicago, 1895-99; Registrar, Univ. of the Punjab, and Prof. Sanskrit, Oriental Coll. Lahore, 1899-02. **August* 23, 1902.

William Stuart Symington, Jr. A. B. 1891; Instr. and Assoc. Prof. Stanford 1893-95; Prof. Romance Lang. Amherst, 1895-1903.—Atty. at Law, Balt.

Masayoshi Takaki, S. B. Syracuse 1891; late Lecturer, Sociol. Univ. of Tokyo.—Manager Dai Ishi Ginko, Seoul, Korea.

Robert Richardson Tatnall, S. B. Haverford 1890; Instr. Univ. of Pa. 1895-01 — Asst. Prof. of Physics, Northwestern Univ. Evanston, Ill.

Thaddeus Peter Thomas, B. P. Univ. of Tenn. 1885.—Prof. Hist. Woman's Coll. Balt.

James Waddell Tupper, A. B. Dalhousie 1891; Prof. Western Univ. Ont. 1897-1900; Assoc. Bryn Mawr 1900-02; Instr. English, Harvard, 1902-04.—Asst. Prof. English Lit. Lafayette, Easton, Pa.

William Achenbach Wetzel, A. B. Lafayette 1891.—Princ. High School, Trenton, N. J. (47)

1896

Benjamin William Arnold, Jr. A. B. Rand.-Macon 1891; Acting Prof. Emory 1899-00; Prof. Normal School, Farmville, Va. 1900-02.—Prof. Hist. and Sociol. Rand.-Macon Woman's Coll. Lynchburg, Va.

George Melville Bolling (F), A. B. Loyola 1891.—Assoc. Prof. Greek and Compar. Philol. Catholic Univ.

Ferdinand Bonnotte.—Prof. Modern Lang. Western Md. Coll. Westminster.

Alfred Cookman Bryan, A. B. 1892; Instr. Wash. High School, 1896-1902, Polytech. Prep. Sch. Brooklyn, 1902-05.—Instr. Hist. N. Y. School of Commerce.

Arthur Douglas Chambers (F), A. B. Toronto 1892.—Chemist, Ashburn, Mo.

Julian Alvin Carroll Chandler, A. B. Wm. and Mary 1891; Instr. Woman's Coll. (Richmond) and Prof. Hist. and English, Richmond Coll. 1896-04.—Editor, N. Y.

James Wilkinson Chapman, Jr. A. B. Washington (Md.) 1892; LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.

Henry Scofield Cooley, S. B. New York Univ. 1891.—Instr. Hist. High School, Paterson, N. J.

Henry Rushton Fairclough (F), Toronto (A. B. 1883, Lecturer, 1887-93).—Prof. Latin, Stanford.

Edson Fessenden Gallaudet, Yale (A. B. 1893, Instr. Physics 1897-1900).—Engineer, Dayton, O.

William Francis Gallaway (F), A. B. 1891.—Princ. Chatham Acad. Savannah, Ga.

Frederick Stearns Hollis, S. B. Mass. Inst. Tech. 1890; Instr. Yale 1900-05.—Instr. Med. Chem. Tufts Coll.

Reid Hunt (F), A. B. 1891, Assoc. and Assoc. Prof. 1898-03; M. D. P. and S. (Balt.) 1896; Tutor, Columbia 1896-98. — Pharmacologist, Bureau of Public Health, Wash.

Charles William Leverett Johnson (F), A. B. 1891; Instr. Yale, 1897-1900, Princeton, 1900-03. — Baltimore.

Oliver Martin Johnston (F), A. B. Miss. Coll. 1890; Lecturer, Bryn Mawr 1896-97.—Asst. Prof. Romanic Lang. Stanford.

Frederick Robertson Jones, Western Md. (A. B. 1892, Instr. 1896-97); Instr. and Asst. Prof. Union 1897-1902. — Assoc. Economics, Bryn Mawr.

James Pinckney Kinard, S. C. Mil. Acad. 1886.—Prof. English, Winthrop Coll. Rock Hill, S. C.

Henry McElderry Knower (F), A. B. 1890, Bruce Fellow 1895-96; Instr. Williams 1896-97.—Instr. Anatomy; Sec. and Co-Editor *Amer. Jour. of Anatomy.*

Gordon Jennings Laing (F), A. B. Toronto 1891; Fellow, Amer. Sch. of Class. Studies, Rome, 1896-97; Reader and Lecturer, Bryn Mawr, 1897-99. — Asst. Prof. Latin, Chicago.

George Lefevre (F), A. B. 1891, Bruce Fellow 1895-97, Asst. 1897-98. —Prof. Zool. Univ. of Mo. Columbia.

Ebenezer Mackay (F), A. B. Dalhousie 1886.—Prof. Chem. and Mineral. Dalhousie, Halifax, N. S.

Raphael Monroe McKenzie, S. B. New York Univ. 1890; Instr. Univ. of Cincinnati. 1898-99. — Instr. Chem. Stevens Inst., Hoboken, N. J.

Henry Ludwell Moore (F), A. B. Rand.-Macon 1892; Instr. 1896-97; Prof. Smith Coll. 1897-1902.—Prof. Pol. Econ. Columbia.

Franklin Lafayette Riley (F), A. B. Miss. Coll. 1889; Pres. Hillman Coll. 1896-97.—Prof. Hist. Univ. of Miss.

Brantz Mayer Roszel (F), A. B. 1889; Instr. Physics, Wash. High School, 1896-1903. — Head Master, Sewanee Gram. School, Tenn.

Herbert Armistead Sayre, B. E. Univ. of Ala. 1893; Prof. Ursinus Coll. 1896-98.—Prof. Physics, Univ. of Ala.

Frederick George Gottlob Schmidt (F), Acting Prof. Cornell Coll. 1896-97.—Prof. Mod. Lang. Univ. of Oregon, Eugene.

Thomas Stanley Simonds, A. B. Harvard 1884; Prof. Hobart 1897-99, Trinity (Conn.) 1899-1901; Instr. Univ. of Cal. 1901-02.—New York.

George Otis Smith (F), A. B. Colby 1893.—Director, U. S. Geol. Survey, Washington.

Michael Druck Sohon, Lehigh (A. C. 1890, M. S. 1894, Instr. 1896-97); late Instr. Chem. High School N. Y.

Francis Edgar Sparks, A. B. 1893.—Atty. at Law, Balt.

*Frederic William Speirs, S. B. Worcester Polytech. 1888; Prof. Drexel Inst. 1893-98; Prof. Manual Train. School, Phila. 1898-01; Lecturer, Swarthmore 1903-04. **May* 17, 1905.

Arthur Coe Spencer, S. B. Case School 1892.—U. S. Geol. Survey, Wash.

Thomas Hardy Taliaferro (F), C. E. Va. Mil. Inst. 1890; Instr. Math. Pa. State Coll. 1896-1901; Pres. Univ. of Fla. 1901-04. — Acting Prof. Physics, Md. Agric. Coll. College Park.

John Thorne, A. B. Denison 1885.

Harry Langford Wilson (F), Queen's, Ont. (A. B. 1887, LL. D. 1903); Prof. Latin, Amer. Sch. of Class. Studies, Rome, 1906-07. — Prof. Roman Archæology. (36)

1897

Gellert Alleman, S. B. Pa. Coll. 1893; Instr. Univ. of Me. 1897-98, Washington Univ. 1898-02.—Prof. Chem. Swarthmore.

Edward Cooke Armstrong (F), A. B. Rand.-Macon, 1890. — Assoc. Prof. French.

Byron Briggs Brackett, A. B. Syracuse 1890; Proficient in Elec. 1895; Instr. Union 1897-98, Wash. High

School 1898-1900, Rutgers 1900-03.—Prof. Physics, etc. Clarkson School of Tech. Potsdam, N. Y.

James Morton Callahan (F), A. B. Indiana 1894; Acting Prof. Hamilton 1897-98; Lecturer, 1898-1901.—Prof. Hist. and Pol. Sci. West Va. Univ. Morgantown.

Hubert Lyman Clark (F), Amherst (A. B. 1892, Instr. 1897-99); Prof. Olivet, 1899-05.—Asst. Invert. Zool. Harvard.

Frank Hollinger Cluts (F), Midland Coll. (A. B. 1892, late Instructor).—Kansas City, Mo.

*Franklin Story Conant (F), A. B. Williams 1893; Bruce Fellow 1897. **September* 13, 1897.

William Scofield Day, A. B. Columbia 1884.—Tutor, Physics, Columbia.

Noah Ernest Dorsey (F), A. B. 1893, Asst. and Assoc. 1897-1901.—Physicist, Bureau of Standards, Wash.

Pelham Edgar (F), A. B. Toronto 1892.—Prof. French, Victoria Univ. Toronto.

Samuel Eagle Forman, A. B. Dickinson 1887; Lecturer 1900-01; Prof. English, Balt. City Coll. 1900-01.—Washington.

William Ritchie Fraser, A. B. Dalhousie 1882.—Lecturer, Greek, McGill Univ. Montreal.

Edwin Luther Green (F), A. B. Wash. and Lee 1892; Prof. Central (Ky.) 1898-99; Acting Prof. Iowa Coll. 1899-1900.—Adj. Prof. Ancient Lang. S. Carolina Coll. Columbia.

Arthur Sewall Haggett (F), A. B. Bowdoin 1893.—Prof. Greek, Univ. of Washington, Seattle.

William Edwards Henderson (F), A. B. Wooster 1891; Prof. Ohio Univ. 1897-99.—Asst. Prof. Anal. Chem. Ohio State Univ. Columbus.

William Jackson Humphreys (F), A. B. Wash. and Lee 1886; Instr. Univ. of Va. 1897-05.—Physicist, U. S. Weather Bureau, Bluemont, Va.

Rev. Bartlett Burleigh James, Western Md. (A. B. 1891, Acting Prof. Psychol. etc. 1902-03); B. D. Westminster (Md.) Theol. Sem. 1892.—Clergyman, Balt.

Duncan Starr Johnson (F), S. B. Wesleyan 1892; Bruce Fellow, 1897-98.—Prof. of Botany.

Edwin Wexler Kennedy, A. B. Univ. of Tenn. 1880; Instr. Woman's Coll. Balt. 1895-97.—Prof. Amer. Hist. and Econ. Peabody Normal Coll. Nashville, Tenn.

Francis Plaisted King (F), A. B. Colby 1890; Asst. State Geologist of Georgia, 1893-96.—Portland, Me.

Omera Floyd Long (F), A. B. Ky. Wesleyan 1890.—Asst. Prof. Latin, Northwestern Univ. Evanston, Ill.

William Tyler Mather (F), A. B. Amherst 1896; Asst. 1897.—Assoc. Prof. Physics, Univ. of Texas, Austin.

John McLaren McBryde, Jr. (F), A. B. Univ. of S. C. 1890; Prof. Hollins Inst. Va. 1897-1903; Assoc. Prof. English, Univ. of N. C. 1904-05.—Acting Dean, Sweetbriar Inst. Amherst, Va.

John Frederick Mohler (F), A. B. Dickinson 1887.—Prof. Physics, Dickinson, Carlisle, Pa.

Charles Patrick Neill, A. B. Georgetown (D. C.) 1891; Prof. Pol. Econ. Catholic Univ. 1897-05.—U. S. Commissioner of Labor, Washington.

Robert Stewart Norris, Univ. of Cal. (S. B. 1892, late Instr. Chem.).

Philip Ogden, A. B. Cornell 1891.—Assoc. Prof. French Literature.

Nathan Allen Pattillo, S. B. Southern Univ. 1887; Prof. Ala. Normal Coll. 1897-99.—Prof. Math. Randolph-Macon Woman's Coll. Lynchburg, Va.

Alexander Pell (F), Prof. Math. Univ. of S. Dakota, Vermillion.

*Charles Dabney Ragland (F), Rand.-Macon (A. B. 1889, Prof. Chem. 1897-1900). **October* 30, 1900.

Milton Reizenstein, A. B. 1894.—Supt. Hebrew Educ. Soc. Brooklyn.

Frank Roy Rutter (F), A. B. 1894; Lecturer, Columbian, 1901-02, Iowa Univ. 1903-04.—Dept. of Agric. Washington.

John Adams Scott (F), A. B. Northwestern 1891.—Prof. Greek, Northwestern Univ. Evanston, Ill.

George Burbank Shattuck (F), S. B. Amherst 1892; Asst. Assoc. Assoc. Prof. 1897-05.—Prof. Geology, Vassar, Poughkeepsie, N. Y.

George Shipley, A. B. Rand.-Macon 1887.—English Master, Boys' Latin Sch. Balt.; Asst. Ed. *Baltimore American*.

Charles Peter Sigerfoos, S. B. Ohio State Univ. 1889; Asst. 1895-97.—Prof. Zool. Univ. of Minn. Minneapolis.

Enoch Walter Sikes, A. M. Wake Forest 1891.—Prof. Polit. Sci. and Hist. Wake Forest, N. C.

William Bull Stoddard, S. B. Colo. Univ. 1894; Asst. Chem. Colo. Sch. of Mines, 1897-98.—Boulder, Colo.

Hugo Paul Thieme, A. B. 1893; Asst. Prof. Earlham 1897-98; Lecturer 1900-01.—Asst. Prof. French, Univ. of Mich.

George Washington Ward, Western Md. (A. B. 1890, Prof. Hist. 1893-05).—Princ. State Normal Sch. Balt.

Louis Napoleon Wheelton, A. B. Western Md. 1892; LL. B. Univ. of Md. 1897.—Atty. at Law, N. Y.

Charles Francis Woods, Jr., A. B. 1891; Prof. Woman's Coll. Richmond 1897-99; Acting Prof. Swarthmore 1899-1900, Pa. Coll. 1900-02, Univ. of Colo. 1902-04.—Instr. Mod. Lang, Lehigh. (42)

1898

Cleveland Abbe, Jr. (F), A. B. Harvard 1894; Prof. Nat. Sci. Western Md. 1898-99, Winthrop 1899-1901.—U. S. Geol. Survey, Wash.

Howard Bell Arbuckle, A. B. Hampden-Sidney 1889.—Sci. Instr. Decatur, Ga.

Arthur Henry Baxter, A. B. 1894.—Instr. Romance Lang. Amherst.

Ernest Julius Becker, A. B. 1894; Prof. Woman's Coll. Richmond, 1899-1901.—Instr. Mod. Lang. Balt. City Coll.

Charles Hillman Brough (F), Miss. Coll. (A. B. 1894, Prof. 1898-1901); LL.B. Univ. of Miss. 1902; Prof. Hillman Coll. 1902-03. — Prof. Econ. and Sociol. Univ. of Ark. Fayetteville.

Murray Peabody Brush, A. B. Princeton 1894; Instr. Ohio State Univ. 1898-99.—Assoc. Romance Lang.

Killis Campbell (F), A. B. William and Mary 1894.—Adj. Prof. English, Univ. of Texas, Austin.

Charles Gilpin Cook, S. B. Haverford 1892.—Science Instr. Hich School, Brooklyn.

Frederick Henry Duryea Crane, A. B. Union 1893.—Analyt. Chemist, N. Y.

Gilman Arthur Drew (F), S. B. Iowa Univ. 1890; Bruce Fellow 1898, Asst. 1898-1900.—Prof. Biol. Univ. of Me. Orono.

William Alexander Eckels, A. B. Dickinson 1883; Prof. Ripon 1891-93.—Prof. Greek, Miami Univ. Oxford, O.

John Elesland, A. B. Univ. of S. Dak. 1891; Prof. Thiel Coll. 1898-1903.—Instr. Math. U. S. Naval Acad.

Charles Wilson Greene (F), Stanford (A. B. 1892, Asst. Prof. 1898-1900).—Prof. Physiol. Univ. of Mo., Columbia.

James Graham Hardy (F), A. B. Lafayette 1894. — Asst. Prof. Math. Williams.

Lancelot Minor Harris, A. B. Wash. and Lee 1888; Instr. and Asst. Prof. Indiana Univ. 1894-98.—Prof. English, Charleston Coll. S. C.

*Caleb Notbohm Harrison, Univ. of Wis. (B. C. E. 1882, Acting Prof. 1899-1900). **October* 11, 1904.

Charles Hoeing (F), A. B. Ky. State Coll. 1890.—Asst. Prof. Latin, Univ. of Rochester, N. Y.

William App Jones (F), A. B. Wake Forest 1893.—Anal. Chemist, N. Y.

Percy Lewis Kaye, Iowa Univ. (A. B. 1895, Instr. 1898-1900); Instr. Coe Coll. 1900-01.—Instr. Hist. Balt. City Coll.

Samuel Shipman Kingsbury, A. B. Marietta 1893.

Guy Carleton Lee (F), LL. B. Univ. of N. C. 1894; A. B. and LL. M. Dickinson 1895; Instr. History 1898-04.—Baltimore.

Arthur Gray Leonard, A. B. Oberlin 1889; Acting Prof. Univ. of Mo. 1899-1900. — Asst. Prof. Geol. etc. Univ. of N. Dak.; State Geologist, Grand Forks.

Charles Elwood Mendenhall (F), S. B. Rose Polytech. 1894; Instr. Williams 1898-1901. — Prof. Physics, Univ. of Wis. Madison.

Samuel Alfred Mitchell (F), A. M. Queen's (Ont.) 1894; Fellow, Chicago 1898-99. — Instr. Astron. Columbia.

Cleophas Cisney O'Harra, A. B. Carthage 1894.—Prof. Geol. S. Dak. Sch. of Mines, Rapid City.

Daniel Allen Penick (F), A. B. Texas 1891.—Asst. Prof. Greek and Latin, Univ. of Texas, Austin.

Thomas Dobbin Penniman, A. B. 1892.—Electr. Eng. Balt.

Charles William Peppler (F), A. B. 1892.—Prof. Greek, Emory Coll. Oxford, Ga.

Ebenezer Emmet Reid (F), A. M. Richmond 1892; Prof. Charleston Coll. 1898-1901.—Prof. Chem. Baylor Univ. Waco, Texas.

*Edward Rhoads, S. B. Haverford 1893; Instr. Physics, Worcester Polytech. 1898-1900, Haverford 1900-03. **July* 4, 1903.

Garnett Ryland, A. M. Richmond 1892; Instr. and Asst. Prof. Univ. of Me. 1898-1901; Prof. Converse Coll. 1901-03.—Prof. Chem. Georgetown Coll. Ky.

William Berney Saffold (F), A. B. Ala. 1887.—Prof. Greek and Latin, Univ. of Ala.

Aristogeiton Marcus Soho, Prof. St. John's 1894-1902.—Prof. French and Latin, Balt. City Coll.

Charles William Waidner (F), Profic. in Elec. 1892, A. B. 1896, Asst. 1898-99; Instr. Williams 1899-1901. — Physicist, Bureau of Standards, Wash.

Richard Henry Wilson, A. B. 1892, Instr. 1898-99.—Prof. Romance Lang. Univ. of Va.

Albert Francis Zahm, A. M. Notre Dame 1885. — Assoc. Prof. Mechanics, Catholic Univ. D. C. (36)

1899

Thomas Sewell Adams (F), A. B. 1896. — Asst. Prof. Econ. Univ. of Wis. Madison.

John William Basore (F), Hampden-Sidney (A. B. 1893, Prof. 1899-1900); Instr. Univ. of Cal. 1901-05.—Preceptor Classics, Princeton.

Edward William Berger, Baldwin Univ. (Ph. B. 1894, Prof. 1899-1901); Science Instr. Cleveland High Sch. 1901-02. — Zoologist, Fla. Agric. Exper. Sta. Lake City.

William Noland Berkeley, S. B. St. John's 1896.—Chemist, San Juan, Porto Rico.

Pierce Butler (F), A. B. Tulane 1892; Instr. Univ. of Texas, 1900-02.—Prof. History, Tulane Univ. New Orleans.

Horace Greeley Byers, A. B. and S. B. Westminster (Pa.) 1895. — Prof. Chem. Univ. of Wash. Seattle.

Joseph Scudder Chamberlain (F), S. B. Iowa Agric. 1890; Instr. Oberlin 1899-1901.—Chemist. Dept. of Agric. Washington.

Francis Whittemore Cragin, S. B. Harvard 1882.—Prof. Geol. Colorado Coll. Colo. Springs.

George Vail Edwards, A. B. Hamilton 1891.—Prof. Latin, Olivet Coll. Mich.

James Rees Ewing, A. B. Ohio Wesleyan 1890.—Washington, D. C.

Oliver Lanard Fassig, S. B. Ohio State 1882. — Assoc. Meteorology; Meteorologist, U. S. Weather Bureau, Bluemont, Va.

George Stronach Fraps (F), A. and M. Coll. of N. C. (S. B. 1896, Instr. 1899-03).—Prof. Chem. A. and M. Coll. of Texas and State Chemist, College Station.

Pierre Joseph Frein (F), A. B. Williams 1892; Instr. and Asst. Prof. Stanford 1899-03. — Prof. French, Univ. of Wash. Seattle.

Leonidas Chalmers Glenn (F), S. C. Coll. (A. B. 1891, Assoc. Prof. and Prof. 1899-1900).—Prof. Geol. Vanderbilt.

Caswell Grave (F), S. B. Earlham 1895; Bruce Fellow 1899-01.—Assoc. Prof. Zool.; State Shell-Fish Commissioner, Balt.

Nathaniel Edward Griffin, A. B. 1894; Instr. Iowa Univ. 1899-1900; Prof. Wells Coll. 1900-03; Instr. Univ. of Vt. 1903-04. — Preceptor, English, Princeton.

Karl Josef Grimm (F), Rayner Fellow 1899-1901.—Prof. Ursinus Coll. 1901-06.—Prof. Mod. Lang. Pa. Coll. Gettysburg.

Hollister Adelbert Hamilton (F), A. B. Rochester 1892; Lecturer, Bryn Mawr, 1899-00.—Prof. Greek, Elmira Coll. N. Y.

Willis Boit Holmes, A. B. Harvard 1896; Instr. Mass. Inst. Tech. 1899-1900.—Assoc. Chem. Univ. of Chicago.

George Oscar James (F), A. B. 1895; Instr. Univ. of Utah 1896-97; Lecturer, Assoc. Prof. Columbian 1900-1902; Instr. Lehigh 1902-03.—Instr. Math. Wash. Univ. St. Louis.

James Wilson Kern, Univ. of Va. 1881. — Assoc. Prof. Latin, Wash. and Lee Univ. Lexington, Va.

George Philip Krapp, A. B. Wittenberg 1894.—Instr. English, Columbia.

William Kurrelmeyer (F), A. B. 1896; Prof. Franklin and Marshall 1899-1900.—Instr. German.

Alvin Fayette Lewis, A. B. Princeton 1884; Prof. Hist. Univ. of Arkansas, 1899-1902.

Joseph Francis Merrill (F), S. B. Mich. 1893.—Prof. Physics, Univ. of Utah, Salt Lake City.

Alfred William Milden (F), A. B. Toronto 1888.—Prof. Classics, Emory and Henry Coll. Emory, Va.

Walter Alexander Montgomery, A. B. 1892; Instr. Univ. of Ark. 1899-1900; Acting Prof. Miss. Univ. 1900-01.—Prof. Greek and Latin, William and Mary Coll. Williamsburg, Va.

Daniel Esten Motley, A. B. Milligan (Tenn.) 1894.—Prest. Christian Coll. Washington, D. C.

Rokuro Nakaseko, Doshisha Kyoto 1889; Yale (Fellow 1899-01, M. S. 1901); late Instr. Chem. Doshisha Kyoto.—Osaka, Japan.

William Albert Nitze (F), A. B. 1894; Lecturer and Tutor, Columbia, 1899-03.—Prof. Romance Lang. Amherst.

Frederick Albert Saunders (F), A. B. Toronto 1895; Instr. Haverford 1899-1901.—Prof. Physics, Syracuse Univ. N. Y.

Laurence Frederick Schmeckebier, (F), A. B. 1896.—U. S. Geol. Survey, Wash.

St. George Leakin Sioussat, A. B. 1896; Instr. Smith Coll. 1899-04.—Prof. Hist. Univ. of the South, Sewanee, Tenn.

Rev. Charles William Sommerville, A. B. and S. B. Hampden-Sidney 1890; Lectr. 1900-01. — Clergyman, Balt.

Mervin Tubman Sudler, S. B. Md. Agric. 1894; M. D. Coll. P. and S. Balt. 1901; Asst. and Instr. 1899-1902; Instr. Cornell Univ. 1902-05.—Assoc. Prof. Anat. Univ. of Kansas, Lincoln.

*Morris Crater Sutphen, B. A. Princeton 1890; Instr. Latin 1899-1901. **August* 31, 1901.

William Taylor Thom, A. B. Wash. and Lee 1869.—U. S. Geol. Survey, Washington.

Harold John Turner, A. B. 1892; Prof. Western Md. 1900-01; Asst. Tufts Coll. 1903-04. — Science Director, Montclair High Sch. N. J.

Campbell Easter Waters, A. B. 1895; Prof. Conn. Agric. 1900-01; Asst. 1901-04.—Chemist, Bureau of Standards, Wash.

Henry Skinner West (F), A. B. 1893; Prof. Balt. City Coll. 1894-97 and 1900; Instr. English 1899-1900; Principal Western High School, Balt. 1900-06.—Asst. to Supt. of Schools, Balt.

Francis Daniel Wilson, S. B. Va. Polytech. 1894; Asst. Tufts 1899-1900.—Instr. Chem. Va. Polytechnic, Blacksburg.

James Henry Curry Winston, A. B. and S. B. Hamp-Sidney 1894.—Adj. Prof. Phys. Science, Hampden-Sidney, Va. (42)

1900

Homer Van Valkenburg Black, A. B. Univ. of Ga. 1896.—Asst. Chem. Ga. School of Tech. Atlanta.

William Martin Blanchard (F), A. B. Rand.-Macon 1894; Instr. Rose Polytech. 1900-01. — Prof. Chem. De Pauw, Greencastle, Ind.

Hall Canter, A. B. Rand.-Macon 1892. —Prof. Chem. Rand.-Macon, Ashland, Va.

Charles Edward Caspari (F), A. B. 1896; Asst. Columbia 1900-01.—Prof. Chem. St. Louis Coll. of Pharmacy.

Hardee Chambliss, Va. Mil. Inst. 1894; M. S. Vanderbilt 1899. — Research Chemist, General Chem. Co. N. Y.

William Sidney Drewry, A. B. Va. 1893; Instr. Hist. Mo. Univ. 1900-02.—Richmond, Va.

James Edwin Duerden, Assoc. Royal Coll. of Sci. London 1899; Curator, Inst. of Jamaica 1895-1901; Bruce Fellow 1901-02; Acting Prof. Univ. of N. C. 1902-03; Instr. Univ. of Mich. 1903-05.—Prof. Zool. Rhodes Univ. Coll. Grahamtown, Cape Colony.

Luther Pfahler Eisenhart (F), A. B. Pa. Coll. 1896.—Preceptor in Math. Princeton.

*Herbert Baldwin Foster (F), A. B. Harvard 1895; Acting Prof. St. Stephen's, 1900-01, Lehigh, 1904-05; Prof. Greek, Univ. of S. Dak. 1901-04. **June*, 1906.

William Linwood Foushee (F), A. M. Wake Forest 1894; Acting Prof. Mercer 1900-01.—Prof. Latin, Richmond Coll. Va.

Wightman Wells Garner, A. B. S. C. Coll. 1896; late Instr. Chem. Tufts Coll.—Washington.

Clyde Chew Glascock (F), Univ. of Va. 1892.—Asst. Prof. German, Yale.

Lawrence Edmonds Griffin (F), A. B. and Ph. B. Hamline 1895; Bruce Fellow 1900; Instr. Adelbert 1900-02. — Prof. Biol. Mo. Valley Coll. Marshall, Mo.

Rev. Adolph Guttmacher, A. B. Cincinnati 1887.—Rabbi, Balt.

Sivert N. Hagen (F), A. B. Luther 1896; Instr. Iowa Univ. 1900-04.—Instr. Engl. and German, Vanderbilt, Nashville, Tenn.

Joseph Cawdell Herrick (F), A. B. Va. 1896.—Instr. Sciences, St. Joseph's Sem. Yonkers, N. Y.

David Wilbur Horn, A. B. Dickinson 1897.—Assoc. Chem. Bryn Mawr.

William Bashford Huff, A. B. Wis. 1889; A. M. Chicago 1896; Asst. and Instr. 1900-02.—Assoc. Prof. Physics, Bryn Mawr.

*Julian Huguenin (F), A. B. Charleston 1895; Acting Prof. English, Univ. of La. 1900-01. **February* 19, 1901.

Walter Hullihen (F), A. B. Va. 1896. —Prof. Latin, Grant Univ. Chattanooga, Tenn.

Robert Edmund Humphreys, A. B. Emory and Henry 1889.—Chemist, Standard Oil Co., Whiting, Ind.

Charles Ranald MacInnes, Queen's, Ont. (A. M. 1896, Instr. 1900-02); Lecturer Math. Manitoba Coll. 1902-03; Director of Gymnasium 1903-05. —Instr. Math. Princeton.

William Starr Myers, A. B. N. C. Univ. 1897.—Preceptor Hist., etc., Princeton.

John Charles Olsen (F), A. B. Knox 1890.—Prof. Anal. Chem. Brooklyn Polytech. Inst.

Austin McDowell Patterson, A. B. Princeton 1897; Instr. Chem. Centre Coll. 1900-01, Rose Polytech. 1901-03.—Springfield, Mass.

Louis Maxwell Potts, A. B. Wash. and Jeff. 1896.—Chief Engr. Rowland Tel. Co. Balt.

George Lovic Pierce Radcliffe, A. B. 1897; Instr. Hist. Balt. City Coll. 1901-02.—Atty. at Law, Balt.

Albert Moore Reese, A. B. 1892; Prof. Allegheny 1901-02. — Assoc. Prof. Histol. Syracuse Univ. N. Y.

Herbert Meredith Reese (F), A. B. 1897; Asst. Lick Observ. 1900-03, Yerkes Observ. 1903-04.—Instr. Physics, Univ. of Mo. Columbia.

Rev. William Rosenau, A. B. Cincinnati 1888.—Rabbi, Balt.; Assoc. Hebrew.

*Richard Burton Rowe (F), Ph. B. Union 1896; U. S. Geol. Surv. 1900-02. **May* 26, 1902.

James Eustace Shaw (F), A. B. 1896. —Assoc. Italian.

Ernest Ashton Smith, A. B. Ohio Wesleyan 1888. — Prof. Hist. and Econ. Allegheny Coll. Meadville, Pa.

Elisha Chisholm Walden, A. B. Ohio Wesleyan 1892.—Webb City, Mo.

Charles Clinton Weaver (F), A. B. Trinity, N. C. 1895; Pres. Rutherford Coll. 1900-03.—Prof. Hist. Davenport Coll. Lenoir, N. C. (35)

1901

Herbert Thompson Archibald (F), A. B. Dalhousie 1897.—Prof. Greek, Occidental Coll. Los Angeles, Cal.

George Ernest Barnett (F), A. B. Rand.-Macon 1891. — Assoc. Prof. Polit. Econ.

Robert Montgomery Bird, A. B. Hampden-Sidney 1897; Asst. Prof. Miss. Agric. 1901-02.—Asst. Prof. Agric. Chem. Univ. of Mo. Columbia.

Jay Allen Bonsteel S. B. Cornell 1896. — Geologist, Dept. of Agric. Washington.

Lyman James Briggs, S. B. Mich. Agric. 1893; M. S. Mich. Univ. 1895. —Physicist, Dept. of Agric. Washington.

George Dobbin Brown (F), A. B. 1895; Acting Prof. Univ. of Vt. 1901-02.—Instr. English, Princeton.

Benjamin Palmer Caldwell (F), Tulane (A.B. 1893, B. E. 1895, Ch. E. 1897).—Asst. Prof. Chem. Tulane, New Orleans.
Victor John Chambers, S. B. Rochester 1895.—Instr. Organ. Chem. Columbia.
William Chambers Coker, S. B. S. C. Coll. 1894. — Assoc. Prof. Botany, Univ. of N. C. Chapel Hill.
Winterton Conway Curtis (F), A. B. Williams 1897. — Asst. Prof. Zool. Univ. of Mo. Columbia.
Waverley Bayard Daniel (F), A. M. Wake Forest 1892. — Prof. Latin, Baylor Univ. Waco, Texas.
James McDowell Douglas, A. B. Davidson 1893. — Assoc. Prof. Nat. Philos. Davidson, N. C.
Rev. Arthur Henry Ewing (F), A. B. Wash. and Jeff. 1887; Western Theol. Sem. (Pa.) 1890. — Prof. Christian Coll. Allahabad, India.
James Marion Farr, A. B. Davidson 1894. — Prof. English, Fla. Univ. Lake City.
Joseph Christie Whitney Frazer (F), S. B. Ky. State 1897; Asst. and Assoc. 1901-03, 1905-07. — Assoc. Chemist, U. S. Geol. Survey, Pittsburg.
Rev. Francis LeJau Frost, S. T. B. Gen. Theol. Sem. (N. Y.) 1897.—Clergyman, W. New Brighton, N. Y.
Norman Everett Gilbert (F), A. B. Wesleyan 1895; Instr. Hobart, 1901-03. — Asst. Prof. Physics, Dartmouth, Hanover, N. H.
Roscoe Guernsey (F), A. B. Union 1896; Instr. 1901-03.—Tutor, Greek, Columbia.
Fred Cole Hicks (F), Ph. B. Cornell Coll. 1896. — Instr. German, Monmouth, Ill.
Gilbert Logan Houser, S. B. Iowa Univ. 1891.—Prof. Animal Biology, Iowa Univ. Iowa City.
Norton Adams Kent, A. B. Yale 1895; Asst. Yerkes Observ. 1901-03; Prof. Wabash 1903-06.—Asst. Prof. Physics, Boston Univ. Boston.
George Curtis Martin (F), S. B. Cornell 1898; Instr. 1901-04. — U. S. Geol. Survey, Washington.
William Elejius Martin (F), A. M. Southern Univ. 1898; Prof. Emory and Henry Coll. 1901-06.—Prest. Sullins Coll. Bristol, Va.-Tenn.
Jens Anderson Ness (F), A. B. Luther 1884.—Prof. Latin, Wittenberg, Springfield, Ohio.
Francis LeJau Parker, Jr. S. C. Mil. Acad. 1894; S. B. Chicago, 1900.—Prof. Chem. Charleston Coll. S. C.
Harold Pender, A. B. 1898; Instr. Physics, Syracuse Univ. 1902-03.—Elec. Engr. New York.
Israel Euclid Rabinovitch (F).—New York.
George Burr Richardson (F), S. B. Harvard 1895.—U. S. Geol. Survey, Wash.
Charles Carroll Schenck, A. B. 1898; Asst. Lehigh 1901-02; Instr. McGill, 1902-05.—Instr. Physics, Lehigh.
Ward Weaver Simmons, S. B. Brooklyn Polytech. 1897.—Brooklyn, N. Y.

(30)

1902

Frank Ringgold Blake (F), A. B. 1897.—Assoc. Oriental Lang.
George Cator, A. B. 1901. — Pres. Amer. Bonding Co. Balt.
Friend Ebenezer Clark, W. Va. Univ. (S. B. 1898, Instr. 1902-03); Instr. Pa. State Coll. 1903-05. — Prof. Chem. Central, Danville, Ky.
Arthur Byron Coble (F), A. B. Pa. Coll. 1897; Instr. Mo. Univ. 1902-03. —Instr. Mathematics.
Albert Eugene Curdy (F), A. B. Kansas 1885.—Instr. French, Yale.
Theodore Clinton Foote, A. B. Racine 1880; S. T. B. Gen. Theol. Sem. (N. Y.) 1884; Rayner Fellow 1901-03.—Instr. Biblical Literature.
James Warner Harry (F), A. B. Georgetown (Ky.) 1899. — Baltimore.
Herman Kurreimeyer (F), A. B. 1899. —Instr. Mod. Lang. Mass. Inst. Tech. Boston.
Charles Fowler Lindsay (F), A. B. Dalhousie 1899.—Research Chemist, Gen. Elec. Co. Schenectady.
Louis Wardlaw Miles (F), A. B. 1894; M. D. Univ. of Md. 1897.—Preceptor, English, Princeton.
Louis Alexander Parsons (F), A. B. Iowa Univ. 1895; Asst. 1902-03; Instr. Univ. of Utah 1903-04.—Instr. Physics, Univ. of Cal. Berkeley.
Henry Farnham Perkins, A. B. Vermont 1896.—Instr. Biol. Univ. of Vt. Burlington.
Charles Snavely, A. B. Otterbein 1894. —Prof. Hist. Otterbein, Westerville, Ohio.
Percy Goldthwait Stiles (F), S. B. Mass. Inst. Tech. 1897; Asst. 1900-02; Instr. N. Y. Univ. 1902-04.—Instr. Anat. and Physiol. Mass. Inst. Tech. and Simmons Coll. Boston.
William Stone Weedon (F), S. B. Md. Agric. 1897. — Research Chemist, Wilmington, Del.
John Boswell Whitehead, Jr. Profic. in Elec. 1893. A. B. 1898.—Assoc. Prof. Electricity.
Kisaburo Yamaguchi (F), Tokyo Coll. of Sci. 1891.—Honjo, Tokyo.

(17)

1903

LeRoy Carr Barret (F), A. B. Wash. and Lee 1897.—Instr. Latin 1903-07; Preceptor (elect) Princeton.
Elbert Jay Benton (F), A. B. Campbell Univ. 1895; Shaw Lecturer 1906-07. — Prof. Hist. Adelbert, Cleveland.

George Olaf Berg (F), A. B. St. Olaf 1899; Acting Prof. St. Olaf 1905-06. —Prof. Greek, Wittenberg Coll. Springfield, Ohio.
Benjamin Franklin Carver, S. B. Pa. Coll. 1900.—Chemist, Standard Oil Co. Whiting, Ind.
Henry Augustus Converse, A. B. Hampden-Sidney 1893; Instr. 1903-04; Instr. Balt. Polytech. Inst. 1904-06.—Prof. Math. Davis & Elkins Coll. Elkins, W. Va.
Rev. John P. Coony, Asst. St. Louis Univ. 1903-04.—Prof. Chem. Marquette Coll. Milwaukee.
Frank Linley Critchlow, A. B. Princeton 1896.—Preceptor, Mod. Lang. Princeton.
Charles Keyser Edmunds (F), A. B. 1897.—Prof. Physics, Christian Coll. Canton, China.
Philip Howard Edwards (F), A. B. St. John's 1898.—Classical Master, Friends' School, Balt.
Frederick Hutton Getman (F), Instr. N. Y. City Coll. 1904-05.—Instr. Chem. High Sch. Stamford. Conn.
William Elford Gould, A. B. Columbia 1879.—Flushing, N. Y.
Philip Warner Harry, A. B. 1898.—Instr. Cincinnati, 1903-06.—Instr. French, Northwestern Univ. Evanston, Ill.
Yukimasa Hattori (F), Tokyo Coll. of Sci. 1898.
John Gale Hun (F), A. B. Williams 1899.—Instr. Math. Princeton.
Albert Johannsen (F), S. B. Univ. of Utah 1898.—U. S. Geol. Survey, Wash.
Thomas Madison Jones, A. B. Rand.-Macon, 1894.—Prof. Greek, Rand.-Macon, Ashland, Va.
George Wiles Middlekauff, A. B. Franklin and Marshall 1891.—Physicist, Bureau of Standards, Wash.
Benjamin Leroy Miller (F), A. B. Kansas Univ. 1897; A. M. Penn Coll. 1898.—Assoc. Geol. Bryn Mawr, Pa.
Joseph Haines Moore, A. B. Wilmington (O.) 1897.—Asst. Lick Observatory, Cal.
Alfred James Morrison (F), A. B. Hampden-Sidney 1895.—Prof. Latin and German, Hampden-Sidney, Va.
Roland Jessup Mulford (F), Harvard (A. B. 1893, LL. B. 1896).—Head Master, Ridgefield School, Conn.
John David Rodeffer, A. B. Roanoke 1895; Instr. Balt. City Coll. 1903-04.—Prof. English, Roanoke Coll. Salem, Va.
Henry Nevill Sanders (F), A. B. Trinity (Ont.) 1894; Lecturer, McGill 1898-01.—Prof. Greek, Bryn Mawr, Pa.
Charles Albert Savage, A. B. 1895.—Asst. Prof. Greek and Latin, Univ. of Minn. Minneapolis.
Atherton Seidell, Univ. of Ga. (B. Agr. 1898, S. B. 1899); M. S. Columbian 1901.—Chemist, Division of Soils, Dept. of Agric. Wash.
Daniel Naylor Shoemaker (F), S. B. Earlham 1894; Asst. Zool. 1900-01. —Botanist, U. S. Dept. of Agric. Waco, Texas.
Arthur Whitmore Smith (F), S. B. New Hampshire Coll. 1893.—Instr. Physics, Univ. of Mich. (27)

1904

James Barnes (F), A. B. Dalhousie 1899; Asst. 1904-06.—Assoc. Physics, Bryn Mawr, Pa.
Harry Preston Bassett, S. B. Ky. State 1901.—Research Chemist, Woodbury, N. J.
Charles Edward Brooks, A. B. 1900. —Fayetteville, N. C.
George Griffin Brownell, A. B. Syracuse 1893.—Prof. Romance Lang. Univ. of Ala.
Douglas Labaree Buffum (F), A. B. and A. M. Va. 1898; Instr. Yale 1904-05.—Preceptor, Mod. Lang. Princeton.
Howard Vernon Canter (F), A. B. Wash. and Lee 1896.—Instr. Latin, Univ. of Mo. Columbia.
Charles Geiger Carroll, A. B. Southwestern 1896.—Prof. Chem. Univ. of Ark. Fayetteville.
Walter Buckingham Carver (F), Ph. B. Dickinson 1899; Prof. Ursinus 1904-06.—Instr. Math. Cornell.
Rheinart Parker Cowles (F), A. B. Stanford 1899; Bruce Fellow 1902-04.—Asst. Biology.
John Jackson Crumley, A. B. Chicago 1899.—Prof. Latin, Antioch, Yellow Springs, O.
Howard Waters Doughty (F), Profic. in Elec. 1893; Instr. Univ. of Mo. 1904-06.—Instr. Chem. Univ. of Wis. Madison.
Aaron Ember (F), A. B. 1901, Rayner Felow 1904-07.—Instr. Hebrew.
Otto Charles Glaser, A. B. 1900, Bruce Fellow, 1904-05.—Instr. Zool. Univ. of Mich.
Elliot Snell Hall (F), A. B. Amherst 1896; Instr. Chicago 1904-06.—Acting Asst. Prof. Chem. Univ. of Wash. Seattle.
Henry Dickinson Hill, A. B. 1900.—N. Y. Telephone Co.
John Porter Hollis (F), A. B. Wofford 1895; Acting Prof. Hist. Southwestern Univ. Texas, 1904-05.—Bureau of Corporations, Wash.
Arthur Isaac Kendall (F), S. B. Mass. Inst. Tech. 1900.—Bacteriologist, Ancon, Panama, S. A.
Albert Frederick Kuersteiner, A. B. Cincinnati 1888.—Prof. Romance Lang. Indiana Univ. Bloomington.
Charles Edward Lyon, A. B. 1897; Instr. Williams, 1904-05.—Instr. Mod. Lang. Princeton.

Ernest Gale Martin (F), Ph. B. Hamline 1897; Asst. 1903-04.—Instr. Anat. and Physiol. Purdue, Lafayette, Ind.

Raymond Durbin Miller (F), A. B. 1898; Instr. Univ. of Texas, 1905-06.—Instr. English, Syracuse Univ.

James Raider Mood, A. B. Charleston 1900.—Instr. Latin, Villanova Coll. Pa.

McKendree Llewellyn Raney (F), A. B. Centre 1897.—Asst. Librarian.

John Joseph Rutledge, S. B. Ill. Univ. 1894.—Mining Geologist, Balt.

John Philip Schneider (F), A. B. Wittenberg 1896; A. M. Columbia 1898.—Prof. English, Wittenberg, Springfield, O.

Theodore Leslie Shear (F), A. B. N. Y. Univ. 1900.—Tutor, Class. Philol. Columbia.

Harry William Springsteen, S. B. Case School 1897.—Assoc. Physics, Bryn Mawr.

Charles Kephart Swartz (F), A. B. 1888; B. D. Oberlin 1892; Fellow, Clark 1889-90.—Assoc. Geology, etc.

David Hilt Tennent (F), S. B. Olivet 1900; Bruce Fellow 1904.—Assoc. Biology, Bryn Mawr.

James Blanton Wharey, A. B. Davidson 1892; Prof. S. W. Presb. Univ. 1900-06.—Prof. English, Univ. of Nashville, Tenn.

William Phillips Winter, A. B. Ohio Wesleyan 1887.—Prof. Chem. Albright Coll. Meyerstown, Pa.

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1905

Edward Cook Bingham, A. B. Middlebury 1899.—Prof. Chem. Richmond Coll. Va.

Beverly Waugh Bond, Jr. A. B. Rand.-Macon 1900; Instr. Univ. of Miss. 1905-06.—Prof. English, S. W. Presb. Univ. Clarksville, Tenn.

Hamilton Bradshaw (F), A. B. Beloit 1902.—Research Chemist, Woodbury, N. J.

Oliver Perry Chitwood (F), A. B. William and Mary 1899. — Prof. Hist., etc. Mercer Univ. Macon, Ga.

Philip Howard Cobb, A. B. Bowdoin 1902.—Asst. Chem. Tufts Coll.

De La Warr Benjamin Easter, A. M. Rand.-Macon 1891; Adj. Prof. Wofford 1893-95; Instr. 1904-05.—Prof. Mod. Lang. Rand.-Macon, Ashland, Va.

Hamilton James Eckenrode, A. B. Fredericksburg 1898. — Archivist, State Library, Richmond, Va.

Thomas Howard Fowler, A. B. Washington (Md.) 1897.—Instr. German, Williams Coll.

John Calvin French (F), A. B. 1899. —Instr. English.

Eugene Willis Gudger, S. B. Nashville Univ. 1892.—Prof. Biol. and Geol. N. C. Normal and Indus. Coll. Greensboro.

August Ernest Guenther (F), A. B. Mich. 1898; Asst. 1904-05.—Asst. Prof. Physiol. Univ. of Neb. Lincoln.

William Edwin Hoffman, Jr. A. B. 1902.—Chemist, Balt.

Lee Milton Hollander (F), A. B. 1901.

Edward William Hope, A. B. Pa. Univ. 1898; Acting Prof. Univ. of Ala. 1905-06.—Instr. Classics, Univ. of Ill. Urbana.

William Kirk (F), A. B. 1902.—Instr. Econ. Brown Univ.

Winfred George Leutner (F), A. B. Adelbert 1901; Prof. Wittenberg, 1905-06.—Instr. Greek and Latin, Adelbert Coll. Cleveland.

Robert Edward Loving (F), A. B. Richmond 1896; Prof. Blackburn Coll. 1905-06.—Prof. Physics, Cornell, Mt. Vernon, Iowa.

Ashton Waugh McWhorter (F), A. B. Roanoke, 1895; Instr. George Washington Univ., 1905-06. — Classical Master, Sewanee Gram. School, Tenn.

William John Miller (F), S. B. Univ. of Pacific 1900.—Prof. Geol. Hamilton Coll. Clinton, N. Y.

Henry Bayard Phillips (F), S. B. Erskine 1900.—Instr. Math. Univ. of Cincinnati.

James Temple Porter (F), A. B. Rand.-Macon 1895; Instr. Williams 1905-06. — Prof. Physics, Rand.-Macon Woman's Coll. Lynchburg, Va.

Robert Lee Ramsay (F), A. B. Fredericksburg 1899.—Asst. English.

Samuel Rittenhouse, A. B. Ursinus 1901.—Instr. Biol. Olivet Coll. Mich.

James Edward Routh, Jr. A. B. 1900. —Asst. English, Univ. of Texas.

Aaron Morton Sakolski, Ph. B. Syracuse 1902.—Univ. Settlement, N. Y.

William George Seiple, A. B. Franklin and Marshall 1898; Rayner Fellow 1903-04. — Missionary, Sendai, Japan.

Forrest Shreve (F), A. B. 1901, Bruce Fellow 1905-06.—Assoc. Prof. Botany, Woman's Coll. Balt.

Roswell Powell Stephens, A. B. Ga. 1896.—Instr. Math. Wesleyan, Middletown, Conn.

Henry Philip Straus, A. B. 1902.— Chemist, Avondale, N. J.

Levi Shoemaker Taylor (F), S. B. Swarthmore 1898. — Science Instr. Friends' Central Sch. Phila.

Mayville William Twitchell, S. B. Columbian 1899.—Prof. Geol. S. C. Coll. Columbia.

Horace Scudder Uhler (F), A. B. 1894.—Instr. Physics, Yale.

Augustus Price West, A. B. 1901.— Chemist, Balt.

Boyd Ashby Wise (F), A. B. Rand.-Macon 1897; Acting Prof. English, Millsaps Coll. 1906-07.

James Martin Wright (F), A. B. Wm. Jewell 1901.—Asst. History.

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1906

Samuel James Allen (F), S. B. McGill 1900.—Instr. Physics, Univ. of Cincinnati.

Roger Frederic Brunel, A. B. Colby 1903. — Asst. Chem. Tufts Coll. Mass.

Robert Ervin Coker (F), S. B. Univ. of N. C. 1896; Bruce Fellow 1906. —Investigating marine fisheries for the Peruvian government, Lima, S. A.

Edwin Preston Dargan (F), A. B. Bethel 1899.—Instr. Romance Lang. Univ. of Va.

Arthur Dodge, A. B. William and Mary 1900.—Saranac Lake, N. Y.

George Wicker Elderkin (F), A. B. Dartmouth 1902.—Amer. School of Class. Studies, Athens.

Thomas Sidney Elston, S. B. California 1899.—Instr. Physics, Univ. of Wis. Madison.

Howard Edwin Enders, S. B. Michigan 1898.—Instr. Zool. Purdue Univ. Lafayette, Ind.

Horace Edgar Flack (F), A. M. Wake Forest 1901. — City Statistician, Balt.

Charles Walter Gray, S. B. Ill. Wesleyan 1903.—Chemist, Woodbury, N. J.

Charles Clayton Grove, A. B. Pa. Coll. 1900; Instr. Balt. Polytech. 1905-06; Instr. Math. Hamilton Coll. 1906-07.

Hugh Sisson Hanna, A. B. 1899.

John Coffey Hildt, A. B. 1903.— Instr. Hist. Smith Coll. Northampton, Mass.

Ernest Jenkins Hoffman, A. B. Davidson 1900. — Chemist, Agric. Exper. Station, Raleigh, N. C.

B. Smith Hopkins, A. B. Albion 1896. —Prof. Chem. Neb. Wesleyan, University Place.

Edward Pechin Hyde (F), A. B. 1900.—Physicist, Bureau of Standards, Washington.

William Lee Kennon (F), S. B. Millsaps 1900.—Instr. Chem. Williams Coll. Mass.

LeRoy McMaster (F), Ph. B. Dickinson 1901.—Instr. Chem. Washington Univ. St. Louis.

Wightman Fletcher Melton, A. M. Blount, 1892.—Prof. English, Balt. City Coll.

John Frederick Messick (F), A. B. Rand.-Macon 1899. — Instr. Math. Williams Coll. Mass.

James Marvin Motley (F), A. B. William Jewell 1901; Prof. Wells Coll. 1906-07.—Asst. Prof. Economics, Leland Stanford.

Samuel Grant Oliphant (F), A. B. Princeton 1891.—Henry E. Johnston Scholar in Sanskrit.

Walter Thomson Peirce (F), A. B. Ohio Wesleyan 1894; A. M. Mich. 1896; Acting Prof. Indiana Univ. 1903-05.—Asst. Prof. French, Ohio State Univ. Columbus.

August Herman Pfund (F), S. B. Wisconsin 1901.—Asst. Physics.

William Frederick Prouty (F), S. B. Syracuse 1903.—Assoc. Prof. Geol. Univ. of Alabama; Asst. State Geologist of Ala.

Charles Judson Robinson, S. B. Ill. Wesleyan 1903.—Instr. Chem. N. Y. Univ.

Charles August Rouiller, A. B. Stanford 1903; Rockefeller Inst. 1906-07.—Asst. Chemistry 1907.—

Robert Bruce Roulston (F), A. B. Univ.; Pathologist, City Hosp.; 1900. — German Master, Country School for Boys, Balt.

Andrew Dante Schrag (F), A. B. Haverford 1902. — Instr German, Western Reserve Univ. Cleveland.

Charles Sidney Smith (F), A. B. Princeton 1888.—Asst. Prof. Greek and Latin, George Washington Univ.

William Anderson Syme, S. B., N. C. A. & M. Coll. 1899.—Chemist, Agric. Exper. Sta. Raleigh, N. C.

Henry McGilbert Wagstaff (F), Ph. B. Univ. of N. C. 1899; Acting Prof. Hist. Allegheny 1906-07. (32)

1907

(*February* 22)

Alfred Allan Kern (F), A. B. Rand.-Macon 1898.—Prof. English, Millsaps Coll. Jackson, Miss.

Louis Bernard Wolfenson (F), A. B. Wisconsin 1901. (723)

DOCTOR OF MEDICINE

When no institution is mentioned, the degree or position refers to the Johns Hopkins University or the Johns Hopkins Hospital. * Deceased.

1897

Charles Russell Bardeen, A. B. Harvard 1893; Asst. Assoc. and Assoc. Prof. 1897-1904.—Prof. Anatomy, Univ. of Wis., Madison.

Thomas Richardson Brown, A. B. 1892; House Officer 1897-98.—Asst. Physician and Assoc. Medicine; Assoc. Prof. Clin. Med. Coll. of P. & S. Balt.; Physician, Balt.

*Walter S. Davis, S. B. Amherst 1893; House Officer 1897-98.

Louis Philip Hamburger, A. B. 1893; House Officer 1897-98.—Assoc. and Asst. Physician; Physician, Balt.

Guy LeRoy Hunner, S. B. Wisconsin 1893; House Officer 1897-98; Res. Gynecologist and Instr. 1900-02.—Assoc. Gynecology; Physician, Balt.

Irving Phillips Lyon, A. B. Yale 1893; House Officer 1897-98.—Instr. Clin. Med. and Librarian, Med. Library, Univ. of Buffalo; Physician, Buffalo.

William George MacCallum, A. B. Toronto 1894; House Officer 1897-98; Assoc. Pathol. 1900-01.—Res. Pathologist; Assoc. Prof. Pathol.

Charles Nell McBryde, S. B. Univ. of S. Carolina 1891; M. S. Va. Polytech. 1892.—Asst. Bacteriol. Biochemical Lab. Dept. of Agric. Washington.

James Farnandis Mitchell, A. B. 1891; House Officer 1897-98; Res. Surgeon and Instr. Surg. 1900-02.—Prof. Surg. Path. George Washington Univ.; Surgeon, Washington.

Joseph Longworth Nichols, A. B. Harvard 1893; Fellow, Pathol. 1897-98.—Saranac Lake, N. Y.

Eugene Lindsay Opie, A. B. 1893; House Officer 1897-98; Fellow, Asst. Instr. Assoc. Pathol. 1898-1904.—Assoc. Rockefeller Inst. N. Y.; Co-Editor, *Jour. of Exper. Med.*

Mary Secord Packard, A. B. Vassar 1892; House Officer 1897-98.—Physician, Providence, R. I.

Omar Borton Pancoast, S. B. Swarthmore 1893; House Officer 1897-98.—Clin. Asst. Surgery; Physician, Balt.

Clement Andariese Penrose, A. B. 1893; House Officer 1897-98.—Physician, Balt.

Richard Pearson Strong Ph. B. Yale 1893; House Officer 1897-98.—Director, Gov't Biol. Lab. Manila, P. I.

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1898

William Stevenson Baer, A. B. 1894; House Officer and Asst. Res. Surgeon 1898-1900.—Visiting Orthoped. Surg. Cambridge Hosp. and Union Prot. Infirmary; Clin. Asst. and Assoc.; Surgeon, Balt.

William Jephtha Calvert, A. B. Univ. of Ky. 1893; Lecturer, Washington Univ. 1902-03.—Asst. Prof. Internal Med. Univ. of Missouri, Columbia.

Patrick Joseph Cassidy, A. B. Yale 1894.—Visiting Surg. Mem. Hosp. and Physician, New London, Conn.

John Williams Coe, Ph. B., Yale 1893.—Asst. Clin. Pathol. Cornell Univ.; Physician, N. Y.

Percy Millard Dawson, A. B. 1894; Fellow, Asst. Instr. Assoc. 1898-1904.—Assoc. Prof. Physiology.

Arthur Wells Elting, A. B. Yale 1894; House Officer 1898-99.—Clin. Prof. Surg. and Lecturer, Surg. Pathol. Albany Med. School; Surgeon, Albany, N. Y.

William Webber Ford (F), A. B. Adelbert 1893; House Officer 1898-99; Fellow, McGill 1899-1901, and Rockefeller Inst.—Assoc. Prof. Bacteriol. and Lecturer, Hygiene.

Thomas Wood Hastings, A. B. 1894; House Officer 1898-99.—Instr. Clin. Pathol. and Attending Physician, Dispensary of Cornell Univ. Med. Coll.; Physician, N. Y.

Alfred Birch Herrick, A. B. Williams 1894; House Officer 1898-99.—Surgeon Pathologist, Ancon Hosp. Canal Zone.

James Hall Mason Knox, Jr. A. B. Yale 1892 and Ph. D. 1894; A. M. Lafayette 1896; House Officer 1898-99.—Clin. Asst. and Instr. Pediatrics; Physician in Charge, Thomas Wilson Sanitarium; Physician, Balt.

Millard Langfeld, A. B. 1893.—Prof. Bacteriol. and Embryol. Creighton Med. Coll.; Bacteriologist, Omaha Board of Health; Physician to St. Joseph's and Douglas Co. Hospitals; Physician, Omaha, Neb.

Gertrude Underhill Light, S. B. Wisconsin 1894.—Sanitary Inspector, Tenement House Dept. N. Y.

James Daniel Madison, S. B. Wisconsin 1894; House Officer 1898-99.—Adj. Prof. Medicine, Wis. Coll. of P. & S. and Physician, Milwaukee.

Harry Taylor Marshall, A. B. 1894; House Officer 1898-99; Fellow 1899-1900; Asst. Res. Pathologist 1900-03.—Chief of Med. Clinic and Instr. Pediatrics; Physician, Balt.

Roger Griswold Perkins, A. B. Union 1893 and Harvard 1894.—Asst. Prof. Pathol. and Bacteriol. Western Reserve Univ.; Visiting Pathologist to St. Alexis, Mt. Sinai and City Hospitals; Physician, Cleveland.

Katherine Porter, A. B. Bryn Mawr 1894.—Asst. Surgeon, N. Y. Infirmary for Women and Children; Physician, Orange, N. J.

Joseph Hersey Pratt, Ph. B. Yale 1894; A. M. Harvard 1901.—Asst.

Theory and Practice of Physic, Harvard; Physician to Out-Patients, Mass. Gen'l Hosp.; Fellow, Rockefeller Inst. for Med. Research; Physician, Boston.

Georgiana Sands, A. B. Vassar 1893; House Officer 1898-99. — Visiting Physician, Port Chester Hosp.; Physician, Port Chester, N. Y.

Benjamin Robinson Schenck, A. B. Williams 1894; House Officer 1898-1902; Res. Gynecologist and Instr. 1902-03.—Physician, Detroit, Mich.

Walter Ralph Steiner, A. B. Yale 1892 and A. M. 1895; House Officer 1898-99.—Pathologist and Bacteriologist, Hartford Hosp.; Physician, Hartford, Conn.

Emma Elizabeth Walker, A. B. Smith 1887.—Clin. Asst. N. Y. Hosp. for Ruptured and Crippled; Physician, N. Y.

Andrew Henderson Whitridge, S. B. Harvard 1894; House Officer 1898-99.—Clin. Asst. Medicine; Physician, Balt. (22)

1899

Edward Erle Brownell, Ph. B. Yale 1895; House Officer 1899-1900.—Physician, San Francisco.

Humphrey Warren Buckler, A. B. 1895; House Officer 1899-1900; Asst. Obstetrics 1901-06. — Clin. Asst. Medicine; Prof. Medicine, Woman's Med. Coll.; Physician, Balt.

Rufus Ivory Cole, S. B. Mich. 1896; House Officer 1899-1900.—Med. Adviser to Med. Students; Assoc. Medicine; Physician, Balt.

John Staige Davis, Ph. B. Yale 1895; House Officer 1899-1900.—Clin. Asst. Surgery; Surgeon, Disp. Garrett Hosp. for Children; Prof. Surg. Woman's Med. Coll.; Physician, Balt.

Charles Phillips Emerson, A. B. Amherst 1894; House Officer 1899-1900; Instr. 1900-03.—Res. Physician; Assoc. Medicine.

Blanch Nettleton Epler, S. B. California 1895. — Physician, Kalamazoo, Mich.

Joseph Erlanger, S. B. California 1895; House Officer 1899-1900; Fellow, Asst. Instr. Assoc. Assoc. Prof. 1900-06.—Prof. Physiol. Univ. of Wisconsin, Madison.

Philip Saffery Evans, Jr. A. B. Yale 1895; Clin. Asst. Surg. 1900-01.—Med. Missionary, Yangchow, China.

Richard Holden Follis, Jr. Ph. B. Yale 1895; Res. Surgeon and Instr. 1902-05.—Chief, Surg. Clinic; Assoc. Surgery; Surgeon, Balt.

Frank Taylor Fulton, S. B. Knox 1894; A. B. 1895.—Pathologist and Director Pathol. Lab. Rhode Island Hosp.; Instr. Pathol. and Histol. Brown Univ.; Physician, Providence.

*James Daton Gallagher, A. B. 1895; Physician, Private Wards, Lakeside Hosp. Cleveland 1899-1900.

Henry Harris, A. B. Stanford 1895; House Officer 1899-1900. — Instr. Med. and Chief of Med Clinic, Cooper Med. Coll.; Physician, San Francisco.

Henry Joseph Hoye, A. B. Brown 1895.—Surgeon Out-Patient Dept. St. Joseph's Hospital; Physician, Providence.

Louis Williams Ladd, A. B. Yale 1895.—Lecturer Clin. Micros. Western Reserve Univ.; Clin. Microscopist, Lakeside Hosp. Cleveland.

Charles Sumner Little, A. B. Wabash 1894. — Lecturer, Pathol. Purdue Physician, Indianapolis.

John Arthur Luetscher, S. B. Wisconsin 1895; House Officer 1899-1900.—Asst. Physician and Asst. Medicine; Physician, Balt.

Frank Allemong Lupton, S. B. Ala. Polytech. 1891.—Assoc. Prof. Obstetrics, Birmingham Med. Coll. Ala.

Frank Worthington Lynch, A. B. Adelbert 1895; Res. Obstetrician, Chief of Obstet. Clinic, Assoc. 1900-03.—Instr. Obstetrics, Rush. Med. Coll. Chicago.

Chester Lea Magee, A. B. Stanford 1895.—Assoc. Physiol. Coll. of P. and S.; Physician, Los Angeles, Cal.

Hugh Miller Moore, S. B. and M. S. Miami 1895.—Med. Director, Miami Univ.; Physician, Oxford, O.

*Charles Williams Ottley, A.B. Princeton 1893; Prof. Biol. and Physician, Robert Coll. Constantinople, 1901-04; Physician and Surg. Anatolia Coll. Hosp. Marsovan, Turkey, 1904-05.

Paul Octavius Owsley, Ph. B. Yale 1895.—Instr. Clin. Gynecol. Northwestern Med. School; Attending Surg. Cook Co. Hosp.; Physician, Chicago.

Jacob Hall Pleasants, A. B. 1895; House Officer 1899-1900. — Assoc. Prof. Clin. Med. Coll. of P. and S.; Asst. Physician; Instr. Medicine; Physician, Balt.

Sylvan Rosenheim, A. B. 1895.—Asst. and Clinical Asst. Laryngology; Physician, Balt.

John Albertson Sampson, A. B. Williams 1895; House Officer 1899-1900; Res. Gynecologist and Asst. Gynecol. 1902-04.—Gynecologist, Albany Hosp.; Clin. Prof. Gynecol. Albany Med. School; Physician, Albany.

Halbert Severin Steensland, S. B. Wisconsin 1895.—Asst. Prof. and Director, Pathol. Lab. Syracuse Univ. N. Y.

William Ridgely Stone, A. B. Princeton 1895:—Asst. Visiting Obstetrician, Maternity Hosp. Blackwell's Island; Physician, N. Y.

Edgar Randolph Strobel, A. B. 1895; Externe 1899-1900. — Clin. Prof. Balt. Med. Coll.; Instr. and Clin. Asst. Dermatol.; Physician, Balt.

Frederick Herman Verhoeff, Ph. B. Yale 1895; A. M. Harvard 1902; Asst. Harvard 1900-02. — Patholo-

gist, Mass. Charitable Eye and Ear Infirmary; Physician, Boston.
William Whitridge Williams, A. B. 1895; Asst. Univ. of Prague 1900-01, Harvard 1901-03.—Asst. Pharmacol. Western Reserve, Cleveland.
Sarah Delia Wyckoff, S. B. Wellesley 1894; House Officer 1899-1900.—Physician, Wilkes-Barre, Pa.
John Lawrence Yates, Ph. B. Yale 1894; S. B. Wisconsin 1895; House Officer and Asst. Res. Surg. 1899-01; Asst. Pathol. 1901-02; Asst. Demonstrator Univ. of Pa. 1902-03.—Surgeon, Milwaukee. (32)

1900

Joseph Akerman, A. B. Univ. of Ga. 1894.—Surgeon, Wilmington, N. C.
Herbert Williams Allen, S. B. California 1896; House Officer 1900-01.—Asst. Clin. Pathol. Univ. of Cal.; Physician, San Francisco.
Mabel Fletcher Austin (Mrs. Southard), S. B. Minnesota 1896.—Assoc. Prof. Hygiene and Med. Examiner, Wellesley Coll. Mass.
Alma Emerson Beale, A. B. Wellesley 1891; Externe 1900-01.—Physician, Schaghticoke, N. Y.
*Milton Bettmann, A. B. Harvard 1897; House Officer 1900-01.
Evelyn Briggs, A. B. Stanford 1896.—Sacramento, Cal.
Lawrason Brown, A. B. 1895. — Res. Physician, Adirondack Cottage Sanitarium, Saranac Lake, N. Y.
Herman Brülle, A. B. and S. B. Hampden-Sidney 1895; Externe 1900-01.—Asst. Physician; Medical Agent for City Charities and Physician, Baltimore.
Curtis Field Burnam, A. B. Central (Ky.) 1895; House Officer 1900-01; Asst. Res. and Res. Gynecologist 1901-04.—Physician, Minneapolis.
Arthur Smith Chittenden, A. B. Yale 1896.—Asst. Pathol. Columbia; Visiting Pathologist, Lincoln Hosp.; Physician, N. Y.
Henry Asbury Christian, A. B. and A. M. Randolph-Macon 1895; A. M. Harvard 1903.—Instr. Theory and Prac. of Physic, Harvard.
William Remshart Dancy, S. B. Univ. of Ga. 1896.—Member Attending Staff, Savannah Hosp.; Physician, Savannah, Ga.
Frank Curtiss Davis, A. B. Amherst 1905.—Physician, Los Angeles, Cal. (*Degree granted December* 4, 1899.)
Augustus Hartje Eggers, Ph. B. Yale 1896.—Physician, Ambridge, Pa.
Henry Courtney Evans, A. B. Adelbert 1896.—Physician, Youngstown, Ohio.
Rose Fairbank (Mrs. Beals), A. B. Smith 1895.—Physician, Ahmednagar, India.
Clarence B. Farrar, A. B. Harvard 1896.—Asst. Physician and Director of Lab. Sheppard Hosp. Balt.; Instr. Psychiatry; Lecturer, Physiol. Psychology.
Arthur Lawrence Fisher, S. B. California 1896; House Officer 1900-01; Fellow, Rockefeller Inst. 1901-02.—Asst. Visiting Surg. Mt. Zion Hosp.; Physician, San Francisco.
William Alexander Fisher, Jr., A. B. Princeton 1896; House Officer 1900-01.—Clin. Asst. Surg.; Physician, Balt.
Howard Fletcher, A. B. Randolph-Macon 1895; Instr. Univ. Coll. of Med. Richmond 1902-03.—Physician, Fairfax, Va.
Joseph Marshall Flint, S. B. Chicago 1895; A. M. Princeton 1900; Assoc. Chicago 1900-01.—Prof. of Anatomy Univ. of California.
William Patrick Healy, Ph. B. Yale 1896. — Asst. Vanderbilt Clinic; Clin. Instr. Gynecol. Coll. P. and S.; Physician, N. Y.
*William Faithful Hendrickson, A. B. 1896; Asst. Demonstrator Pathol. Univ. of Pa. 1900-02.
Albion Walter Hewlett, S. B. California 1895. — Asst. Prof. Med. Cooper Med. Coll.; Physician, San Francisco.
William Crissey Kellogg, A. B. Yale 1896.—Prof. Physiol. and Lecturer Dermatol. Univ. of Ga.; Physician, Augusta, Ga.
Preston Kyes, A. B. Bowdoin 1896.—Assoc. Mem. Inst. for Infectious Diseases; Asst. Prof. Exper. Pathol. Univ. of Chicago.
Leona Lebus, S. B. Wellesley 1899.—Los Angeles, Cal.
Warren Harmon Lewis, S. B. Mich. 1894; Asst. Instr. Assoc. 1900-04.—Assoc. Prof. Anatomy.
Harry Wilson Little, S. B. Wabash 1896.—Physician, Evansville, Ind.
Ellen Louise Lowell (Mrs. Stevens), A. B. Stanford 1896. — Physician, Jacksonville, Fla.
*John Bruce MacCallum, A. B. Toronto 1896; Asst. Anat. 1900-02; Asst. Prof. Physiol. Univ. of Cal. 1902-05.
Mary Wilbur Marvell, S. B. Wellesley 1894.—Physician, Fall River, Mass.
Clara Metzer (Mrs. John Auer), A. B. Barnard 1896.—Clinical Asst. N. Y. Eye and Ear Infirmary; Physician, N. Y.
Clelia Duel Mosher, A. B. Stanford 1893.—Physician, Palo Alto, Cal.
Hannah Gildden Myrick, A. B. Smith 1896. — Asst. Physician, N. Eng. Hosp. Roxbury; Physician, Dorchester, Mass.
*Edward Spiller Oliver, A. B. 1895; Physician, Saranac Lake, N. Y. 1900-02.
Richard Foster Rand, Ph. B. Yale 1895; House Officer 1900-01.—Asst. Surg'l and Gynecol. Clinics and Asst. Obstet. New Haven Hosp.; Physician, New Haven, Conn.
Dorothy M. Reed (Mrs. Charles E. Mendenhall), B. L. Smith 1895; House Officer 1900-01; Fellow, Path. 1901-02.—Madison, Wis.

Glanville Yelsley Rusk, A. B. 1896; House Officer 1900-01; Asst. Psychiatry and Clin. Asst. Neurol. 1902-03.—Pathol. Institute, Ward's Island, N. Y.

Florence Rena Sabin, S. B. Smith 1893; House Officer 1900-01; Holder of Woman's Fellowship in Anatomy, 1901-02; Asst. Instr. Assoc. 1902-05. —Assoc. Prof. Anatomy.

William Francis Mattingly Sowers, A. B. Princeton 1896; House Officer and Asst. Res. Surg. 1900-05.—Resident Surgeon; Instr. Surgery.

Ellen Appleton Stone, A. B. Radcliffe 1895; A. M. Brown 1896.—Med. Inspector for Public Schools; Physician, R. I. Hosp.; Physician, Providence.

Mortimer Warren, A. B. Bowdoin 1896.—Asst. Clin. Pathol. Cornell Med. Sch.; Physician, N. Y.

Paul Gerhardt Woolley, S. B. Chicago 1896; House Officer 1900-01; Fellow, McGill, 1901-02; Pathologist, Gov't Biol. Lab. Manila, 1902. 06.—Chief. Siamese Govt. Serum Lab. Phrapatoom. (44)

1901

*Alexander Montague Atherton, A. B. Wesleyan 1897. — Late Physician, Honolulu, H. I.

Frederick Henry Baetjer, A. B. 1897; House Officer 1901-02.—Assoc. and Asst. Res. Surg. in charge of Actinographic Dept.

William Dwight Baldwin, A. B. Yale 1897; Clin. Asst. Med. 1901-02.—Physician, Honolulu, H. I.

John McWilliams Berry, S. B. Cornell 1897; House Officer 1901-02.—Orthopedist, Samaritan Hosp.; Physician, Troy, N. Y.

Walter Herbert Blakeslee, A. B. Amherst 1897.—Asst. Med. Examiner, Penn. R. R. Relief Dept. Philadelphia.

Horace Dechamps Bloombergh, A. B. Lafayette 1897.—1st Lt. and Asst. Surg. U. S. A. and Pathologist, Division Hosp. Manila, P. I.

Thomas Richmond Boggs, S. B. Univ. of Ga. 1896.—Asst. Res. Physician in charge of Clin. Lab.; Assoc. in Medicine.

John Robert Bosley, A. B. Western Md. 1896.—First Lieut. and Asst. Surg. U. S. A. Ft. Egbert, Alaska.

Charles Henry Bunting, S. B. Wisconsin 1896; House Officer 1901-02; Asst. Demonstr. Pathol. Univ. of Pa. 1902-03; Instr. and Assoc. 1903-06.—Prof. Pathol Univ. of Va.

Joel Ives Butler, Ph. B. Yale 1897; Externe, Asst. Anat., Clin. Asst. Surg. 1902-04.—Asst. Surg. Mercy Hosp.; Physician, Springfield, Mass.

Harry Wardell Carey, A. B. Yale 1897; Asst. Bender Hygienic Lab. Albany, 1901-03. — Instr. Surgical Pathol. Albany Med. Sch.; Dermatologist and Pathologist, Samaritan Hosp. Troy, N. Y.

Eleanor Sarah Chace, S. B. Wellesley 1894.—Physician, Fall River, Mass.

Robert Thornton Comer, A. B. Univ. of Ala. 1896.—Physician, Birmingham, Ala.

Guy Leartus Connor, A. B. Williams 1897.—Physician, Detroit, Mich.

Ray Connor, A. B. Williams 1897.—Ophthalmologist and Otologist Children's Free Hosp.; Physician, Detroit, Mich.

George Silas Drake, Jr. A. B. Yale 1897.—Physician, St. Louis.

Adelaide Dutcher, S. B. Wisconsin 1897; Asst. Obstetrician, Hosp. for Women and Children; Physician, Syracuse, N. Y.

Harry Atwood Fowler, S. B. Minnesota 1895; House Officer and Clin. Asst. 1901-03.—Assoc. Skin Diseases, Eastern Disp. and Casualty Hosp.; Physician, Washington.

Frederick Parker Gay, A. B. Harvard 1897; Fellow, Rockefeller Inst.; Asst. Demonstr. Pathol. Univ. of Pa. 1901-03.—Student, Institut Pasteur, Brussels.

Neil Duncan Graham, A. B. 1897.—Asst. Prof. Obstetrics and Gynecol. Howard Univ.; Physician, Washington.

Gardner Wells Hall, A. B. Harvard 1898; Clin. Asst. Medicine, 1901-02. —Physician, Boston.

Louis Virgil Hamman, A. B. Rock Hill 1896.—Physician in charge Phipps Disp.; Instr. Med.; Physician, Baltimore.

Rolland Frederick Hastreiter, S. B. Wisconsin 1897; House Officer, Clin. Asst. 1901-02; Asst. Anat. Wis. Coll. of P. & S. 1903-04.—Physician, Los Angeles, Cal.

Joseph Henry Hathaway, A. B. Iowa Coll. 1894; A. B. Harvard 1896; House Officer 1901-02.—Res. Physician, Boston Free Hosp. for Women.

James Morley Hitzrot, A. B. Princeton 1897; House Officer 1901-02.—Instr. Surg. Cornell Univ.; Chief of Clinic, N. Y. Hosp. Out-Patient Dept.; Physician, N. Y. Training Sch.; Asst. Attend. Surg. Bellevue Hosp.; Physician, N. Y.

Gerry Rounds Holden, A. B. Yale 1897; Res. Gynecologist and Asst. 1903-05. — Physician, Jacksonville, Fla.

Edward Hicks Hume, A. B. Yale 1897; John W. Garrett Internat. Fellow, Univ. Coll. Liverpool 1901-02; 3d Asst. Surg. and Clin. Asst. Med. 1902-03.—Physician in charge Med. Dept. Yale Coll. in China, Changsha, Hunan Prov.

William Bernard Johnston, A. B. Harvard 1897; Asst. Res. Pathologist 1901-02.—Physician, Washington.

Harry M. Kaufman, A. B. 1897.—Consult. Physician, German Orphan Asylum; Externe, Emerg. Hosp.; Demonstr. Pathol. and Bacteriol. Columbian Med. Sch.; Physician, Washington.

Theodore Lamson, Ph. B. Yale 1897. —First Lieut. and Asst. Surg. U. S. A. Manila, P. I.

Dwight Milton Lewis, A. B. Yale 1897.—Asst. Med. Clinic, New Haven Disp. and Yale Med. Sch.; Physician, New Haven, Conn.

Warfield Theobald Longcope, A. B. 1897.—Director, Ayer Clin. Lab. Penna. Hosp.; Instr. Med. Univ. of Pa.

William Harvey Maddren, S. B. Brooklyn Polytech. 1896. — Asst. Visiting Surg. Kings County, Coney Island, and Bradford St. Hospitals; Physician, Brooklyn.

Elizabeth Sutton Moore, S. B. Wilson Coll. (Pa.) 1895.—Pathologist, Passavant Hosp.; Physician, Pittsburg.

Henry Pickering Parker, A. B. 1896; Demonstr. Pathol. and Bacteriol. Western Reserve Univ. 1901-02; Clin. Asst. 1904-05; Asst. to Prof. Clin. Med. Georgetown Med. Sch.; Asst. Emergency Hosp.; Physician, Washington.

Maurice J. Rubel, S. B. Chicago 1897; House Officer 1901-02.—Physician, Chicago.

John Cleveland Salter, A. B. Yale 1897.—Instr. Washington Univ.; Clin. Asst. Wash. Univ. Hosp.; Physician, St. Louis.

Mabel Palmer Simis (Mrs. H. L. Ulrich), S. B. Cornell 1897.—Physician, Minneapolis, Minn.

Josiah Morris Slemons, A. B. 1897; House Officer, 1901-02.—Assoc. Obstetrics; Physician, Baltimore.

Herbert Meloy Smith, A. B. Roanoke 1892.—Capt. and Asst. Surg. U. S. Army, Fort Apache, Ariz.

Charles Nelson Spratt, S. B. Minnesota 1897; House Officer 1901-02.—Attend. Ophthalmologist and Otologist, City Hosp. and Asbury M. E. Hosp. Disp.; Physician, Minneapolis.

Albert Louis Steinfeld, A. B. 1897; Prof. Histol. and Pathol., Toledo Med. Coll. 1903-04.—Physician, Toledo, O.

Carlotta Mary Swett, A. B. Wellesley 1896.—Physician, Bangor, Me.

Henry Ludwig Ulrich, S. B. Rutgers 1897; Prof. Pathol. and Histol. Univ. of Dallas, 1901-02.—Pathologist, Swedish Hosp.; Instr. Clin. Microscopy, Univ. of Minnesota; Physician, Minneapolis.

Albert James Underhill, A. B. 1897.—Clin. Asst. Surg.; Physician, Balt.

Marian Bartholow Walker (Mrs. Williams), A. B. Radcliffe 1898.—Physician, Hartford, Conn.

Louis Marshall Warfield, A. B. 1897; House Officer 1901-02.—Instr. Clin. Micros. Washington Univ.; Pathologist Bethesda Hosp.; Physician, St. Louis.

George William Warren, A. B. 1897.—Physician, New York.

Stephen Hurt Watts, A.M. Randolph-Macon 1896; House Officer 1901-02. —Asst. Res. Surg.

Ernest Alden Wells, A. B. Yale 1897. —Asst. Visiting Surg. Hartford Hosp.; Physician, Hartford, Conn.

*Mabel Wells, A. B. Wellesley 1896.

John Montgomery West, A. B. 1896.—Student, Berlin.

Charles Knickerbacker Winne, Jr. A. B. 1897; Externe, Acting House Officer 1901-03.—Instr. Albany Med. Coll.; Physician, Albany. (53)

1902

John Auer, S. B. Mich. 1898; House Officer 1902-03.—Research Fellow, Rockefeller Inst.; Physician, N. Y.

John Bradford Briggs, Jr. S. B. New York Univ. 1898; House Officer 1902-03; Asst. Med. 1903-04.—Asst. Physiol. Georgetown Univ.; Physician, Washington.

Bennet Bernard Browne, Jr., A. B. 1898.—Clin. Asst. Ophthalmol. and Otol.; Consult. Physician, Emerg. Hosp., Annapolis; Physician, Balt.

Robert Martin Bruns, A. B. Univ. of Va. 1896.—Physician, Balt.

William Morgan Case Bryan, A. B. Washington Univ. 1897; M. S. Mich. 1898.—Asst. in Otology, etc., St. Louis Univ. and Jewish Hosp. Disp.; Asst. Ed. *The Laryngoscope;* Physician, St. Louis.

Camillus Bush, S. B. California 1898; House Officer and Asst. Res. Surg. 1902-04.—Visit. Surg. St. Helena Sanitarium; Asst. Surg. Univ. of Calif.; Surgeon, San Francisco.

John Woolman Churchman, A. B. Princeton 1898; House Officer 1902-03; Clin. Asst. 1904-05.—Physician, Baltimore.

Thomas Wood Clarke, A. B. Harvard 1899; House Officer 1902-03.—Student, Vienna.

Henry Wireman Cook, A. B. 1898; House Officer 1902-03.—Physician, Minneapolis.

Jacob Jones Coons, S. B. Ohio Wesleyan 1898.—Asst. Ohio Med. Univ.; Pathologist, Grant Hosp.; Physician, Columbus, O.

Gustavus Charles Dohme, A. B. 1898. —Assoc. Prof. Chem. Maryland Med. Coll.; Physician, Balto.

David Hough Dolley, A. B. Randolph-Macon 1897.—Prof. Pathol. Univ. of N. C., Chapel Hill.

Ralph Duffy, A. B. 1898.—Pathologist, Western Penna. Hosp.; Physician, Pittsburg.

John Dunlop, S. B. Princeton 1898; Externe 1902-03.—Physician, Washington.

William Gage Erving, A. B. Yale 1898.—Physician, Washington.

Newell Simmons Ferry, Ph. B. Yale 1898.—Director, Pathol. Lab. and Asst. Med. Memphis Hosp. Med. Coll.; Physician, Memphis, Tenn.

Nellis Barnes Foster, S. B. Amherst 1898.—Instr. Physiol., Chem., Coll. of P. & S.; Physician, New York.

William Willoughby Francis, A. B. 1898; Asst. Pathol. 1904-5.—Physician, Montreal.

Maurice Albert Frankenthal, A. B. Washington Univ. 1898.—Pathologist, Bethesda Homes; Asst. Surg. Washington Univ. Disp; Physician, St. Louis.

W. Harry Glenny, Ph. B. Yale 1894.—Demonstr. Pathol. Univ. of Buffalo; Asst. Attend. Physician and Supervisor of Records, Buffalo Genl. Hosp.; Physician, Buffalo.

Clarence Foster Hardy, B. L. Wisconsin 1891.—Assoc. Surgery, Wisc. Coll. P. & S.; Physician, Milwaukee.

Morrison LeRoy Haviland, Ph. B. Union 1898; House Officer 1902-03.—Asst. Parks Hosp.; Physician, Glens Falls, N. Y.

Mabel Stevens Haynes, A. B. Bryn Mawr 1898.—Physician, Boston.

Leonard Keene Hirshberg, A. B. 1898. —Assoc. Nervous Diseases and Instr. Bacteriol. Coll. of P. and S.; Chief of Nervous Clinic, City Hosp.; Physician, Balt.

Carl Herman Horst, A. B. Stanford 1898; House Officer 1902-03.—Physician, Butte, Mont.

Solomon Hyman, S. B. California 1898.—Physician, San Francisco.

William Frederick Jelke, Ph. B. Yale 1898.—Physician, Cincinnati.

Thomas Monroe Jones, A. B. Indiana Univ. 1898.—Surgeon, Anderson, Ind.

Alfred Karsted, A. B. Stanford 1898. Res. Physician, Murray Hosp., Butte, Montana.

Arthur Herbert Kimball, S. B. Amherst 1897.—Visiting Oculist Governm't Hosp. for Insane; Asst. Ophthalmology, Episcopal Eye and Ear Hosp.; Physician, Washington.

Louis Chas. Lehr, A. B. 1898; Clin. Asst. Surg. 1902-04. — Physician, Washington.

Edward McCrady L'Engle, A. B. St. John's 1897.—Pathologist, Polyclinic Hosp.; Asst. Pathologist, Phila. Hosp.; Physician, Phila.

George Victor Litchfield, Jr., A. M. Randolph-Macon 1897.—Physician, Kimball, W. Va.

Emma Loots (Mrs. W. G. Erving), A. B. Smith Coll. 1897.—Physician, Washington, D. C.

Seymour DeWitt Ludlum, S. B. Rutgers 1897.—Clinic Asst. Neurol. Phila. Polyclinic; Pathologist, Frankford Gen. Hosp.; Asst. Neuro.-Pathol., Univ. of Pa.; Physician, Philadelphia.

Annie Galloway Lyle, A. B. Stanford 1895—Physician, San Francisco.

George Malcolm MacGregor, S. B. Wisconsin 1894.—House Officer, Church Home, Balt.

Samuel Andrew Marshall, A. B. Yale 1898.—Physician, Brooklyn, N. Y.

John Scott McFarland, Ph. B. Yale 1898.—Physician, Buffalo, N. Y.

Edmund Webster Meisenhelder, A. B. Penna. Coll. 1898; House Officer, 1902-03.—Physician, York, Pa.

John Elmer Meisenhelder, S. B. Penna. Coll. 1897.—Res. Surg. Barnes Hosp. Washington.

*Henry William Ochsner, S. B. Wisconsin 1898; House Officer 1902-03.

Edward Hiram Reede, A. B. Cornell 1898.—Physician, Washington.

Edwin Nicholas Riggins, A. B. Williams 1897. — Physician, East Orange, N. J.

Carey Pegram Rogers, A. B. Wake Forest 1897; House Officer, 1902-03. —Director and Surg. De Soto Sanatorium; Visiting Surg. St. Luke's Hosp.; Surg. Jacksonville, Fla.

Stephen Rushmore, A. B. Amherst 1897; Externe, Asst. Res. Gynecologist, 1902-03; Res. Gynecologist and Asst. 1905-06.

George Barr Scholl, A. B. 1898; Externe 1902-03.—Prof. of Pathol. etc. Maryland Med. Coll; Pathologist, Franklin Sq. Hosp.; Health Officer, City Board of Health; Physician, Balt.

Melville Silverberg, A. B. California 1897; Asst. Physiol. Chem. Cooper Med. Coll. 1902-03. — Physician, San Francisco.

John Nathan Simpson, A. B. Univ. of Nashville 1893.—Prof. Physiol. W. Va. Univ.; Physician, Morgantown.

Harry Merriman Steele, Ph. B. Yale 1894.—Asst. Pediatrics and Pathol. Yale Med. Sch; Physician, New Haven.

Alice Weld Tallant, A. B. Smith Coll. 1897.—Prof. Obstetrics, Woman's Med. Coll.; Physician, Phila.

Condit Brewer Van Arsdall, A. B. Ky. Wesleyan 1894; A. B. Mich. 1898.—Physician, Harrodsburg, Ky.

John Van Denburgh, A. B. Stanford 1894, and Ph. D. 1897.—Visiting Physician King's Daughters' Home for Incurables; Asst. Visit. Gynecol. St. Luke's Hosp.; Physician, San Francisco.

Otis Buckminster Wight, A. B. Stanford 1898; House Officer 1902-03.—Lecturer Clin. Surg. Univ. of Oregon; Physician, Portland.

Clara Louise Williams, S. B. California 1897.—Physician, Berkeley, Cal.

Dudley Williams, A. B. 1897.—Asst. Physician; Physician, Balt.

Charles Benjamin Wright, A. B. Univ. of N. Dak. 1898; House Officer 1902-03.—Clin. Instr. Pediatrics, Univ. of Minn.; Physician, Minneapolis. (57)

1903

Victor Hugo Bassett (F), A. B. Knox, 1896; Instr. Northwestern Univ. 1903-04; Fellow 1904-05.—Prof. Wisc. Coll. P. & S.; Assoc. Prof. Milwaukee Med. Coll.; Pathologist, Milwaukee Co. Hosp. and Germania Clin. Lab., Milwaukee.

Lewis Clyde Bixler, A. B. Lafayette 1899; House Officer 1903-04.—Physician, Pittsburg.

Elisabeth Hedges Blauvelt, A. B. Bryn Mawr 1896.—Med. Missionary, Amoy, China.

Clinton Ethelbert Brush, Jr., S. B. New York Univ. 1899; House Officer 1903-04; Asst. 1904-05.—Assoc. Prof. Med. Univ. of Nashville; Physician, Nashville.

Joseph Albert Chatard, A. B. Loyola 1898.—Asst. Physician; Asst. Med.; Physician, Balt.

George Edward Chinn, Jr., S. B. Central (Mo.) 1899.—Clin. Asst. St. Vincent's Hosp.; Physician, Norfolk, Va.

Alfred Hull Clark, A. B. Cornell 1899. —Physician, Buffalo, N. Y.

William Burgess Cornell, A. B. Chicago 1899; Externe and Clin. Asst. 1903-04.—Assistant Physician Sheppard and Pratt Hosp., Towson, Md.

Emma Grace Dewey, S. B. Wellesley 1885.—Pathologist Passavant Mem. Hosp.; Physician, Jacksonville, Ill.

Harlan Dudley, Ph. B. Oberlin 1897. —Physician, Canton, O.

Dana Lee Eddy, A. B. Yale 1898.—Leavenworth, Kans.

Rhoades Fayerweather, A. B. Harvard 1899.—Clin. Asst. Orthopedic Surg. and Pathol.; Physician, Balt.

John Somerville Fischer, A. B. 1898. —Chief Med. Clinic, St. Joseph's Hosp. Disp.; Assoc. Diseases of Children, Balt. Med. Coll.; Physician, Balt.

Frederick Julius Gaenslen S. B. Wisconsin 1899.—Physician, Milwaukee.

Lewis McFarland Gaines, A. B. and S. B. Hampden-Sidney 1898.—Prof. Anat. and Physiol. Wake Forest Coll., N. C.

John Timothy Geraghty, A. B. St. Thomas Coll. 1895; Ph. B. St. Paul Sem. 1897; House Officer 1903-04.—Physician, Balt.; Asst. Surgery; Clin. Asst.

Francis Colquhoun Goldsborough, S. B. Princeton 1899; Interne 1903-04; Asst. Res. Gynecologist 1904-05.—Res. Obstetrician; Instr. Obstetrics.
stetrics.

Justin Frank Grant, Ph. B. Yale 1898.—Asst. Prof. Anat. and Pathol. Univ. of W. Va., Morgantown.

Louis Wardlaw Haskell, Jr., A. B. 1899; Externe 1903-04; House Officer Gen'l Mem. Hosp.; Physician, N. Y.

Arthur Douglass Hirschfelder, S. B. California 1897; House Officer 1903-04.—Physician, Balt.; Instr. Medicine.

Ross Hopkins, A. B. and S. B. Campbell Univ. 1897; A. B. Kansas Univ. 1899.—Physician, St. Louis.

Henry Talbot Hutchins, A. B. Amherst 1899; House Officer 1903-04.—Resident Gynecologist; Asst. Gynecol.

Clement Levi Jones, S. B. Washington and Jefferson 1899.—Clin. Asst. Starling Med. Sch.; Pathologist, Hawkes Hosp. of Mt. Carmel; Physician, Columbus, O.

Louise Tayler Jones, A. B. Wellesley 1896; M. S. Columbian 1898.—Attend. Physician, Nat. Florence Home; Physician, Washington.

Albert Keidel, A. B. 1900; Clin. Asst. Med. 1903-06.—Physician, Balt.

Maurice Lazenby, A. B. 1900; House Physician Church Home 1903-04.—Lecturer, Bacteriol. Woman's Med. Coll.; Assoc. Embryol. and Histol. Maryland Med. Coll.; Physician, Balt.

Arthur Solomon Loevenhart, S. B. Ky. State Coll. 1898; Asst. and Assoc. 1903-06.—Assoc. Prof. Pharmacol., etc.

Henry D. Long, A. B. Washington and Jefferson 1894; House Officer 1903-04.—Asst. Surg. U. S. Public Health and M. Hosp. Service, Ellis Island, N. Y.

Margaret Long, A. B. Smith 1895.—Physician, Denver, Colo.

*Edward Janney Sidwell Lupton, S. B. Columbian 1899.

Leo Augustine Lynch, A. B. Yale 1899.—Asst. Attend. Physician Swedish Hosp.; Physician, Brooklyn, N. Y.

William Sanders Manning, S. B. Columbian 1899.—Physician, Jacksonville, Fla.

Watson Marshall, A. B. Princeton 1899.—Physician, Pittsburg.

Robert Talbott Miller, Jr., A. B. Amherst 1899; House Officer 1903-04.—Asst. Res. Surg.

Mary Elizabeth Morse, A. B. Woman's Coll. Balt. 1899.—Pathologist, N. Eng. Hosp., Boston.

Willis Bean Moulton, A. B. Bowdoin 1899; House Officer 1903-04.—Instr. Gynecol. Med. Sch. of Maine; Physician, Portland.

Harry Benjamin Neagle, A. B. Bowdoin 1899.—Asst. Physician Loomis Sanatorium, Liberty, N. Y.

Selden Irwin Rainforth, S. B. Cincinnati 1899.—Physician, N. Y.

Theodore Foster Riggs, A. B. Beloit 1898; House Officer 1903-04.—Res. Surg. Union Prot. Infirm., Balt.

Benjamin Franklin Riley, Jr., S. B. Univ. of Georgia 1898.—Physician, Thomaston, Ga.

George Canby Robinson, A. B. 1899; Asst. Demonstr. Cornell Univ. 1903-04.—Res. Physician, Penna Hosp., Philadelphia.

Marvin Pierce Rucker, A. M. Randolph-Macon 1899. — Demonstrator Physiol. Med. Coll. of Va.; Prest. Board of Health; Physician, Manchester, Va.

Ferdinand Schmitter, A. B. Union 1899; Instr. Anat. Univ. of Wis. 1903-05.—1st Lieut. and Asst. Surg. U. S. A., Fort Egbert, Alaska.

Oscar Theodore Schultz, A. B. Indiana Univ. 1897; Instr. Western Reserve Univ. 1904-06. — Visiting Pathologist, Charity Hosp.; Physician, Cleveland.

Winford Henry Smith, A. B. Bowdoin 1899.—Supt. Hartford Hosp., Hartford, Conn.

Alexander Raymond Stevens, A. B. 1896; House Officer 1903-04.—Physician, Balt.

Catherine Hutchinson Travis, A. B McGill 1895. — Pathologist New Britain Hosp.; Physician, New Britain, Conn.

Frank Hosford Watson, S. B. Wisconsin 1899; House Officer 1903-04. —Chief of Med. Clin. and Lecturer Clin. Med. Tulane Med. Coll.; Visiting Physician, Charity Hosp; Physician, New Orleans.

Charles Whittier Young, S. B. Univ. of Illinois, 1897; House Officer 1903-04.—Prof. Bacteriol., etc., Union Med. Coll. and Med. Missionary, Peking, China. (49)

1904

Jay Harvey Bacon, S. B. Knox 1900. —Physician, Peoria, Ill.

Theodore Baker, A. B. Princeton 1900..—Physician, Pittsburg.

Robert Bennett Bean, S. B. Va. Polytech. 1900; Asst. Anat. 1904-05; Instr. Anat. Univ. of Mich. Ann Arbor.

Ruth Bennett (Mrs. Morgan), A. B. Univ. of Ill. 1899.—Asst. Phys. and Surg. Tsing Kiang Pu Hosp., Kiang-Su Prov. China.

John McFarland Bergland, S. B. Princeton 1900; Interne 1904-05.—Asst. Res. Obstetrician; Ast. Obstetrics.

Maurice Buford Bonta, A. B. Ky. Wesleyan 1894; S. B. Mich. 1897; House Officer 1904-05; Res. Gynecologist, Lakeside Hosp., Cleveland 1905-06.—Physician, Cleveland, O.

Walter Vernon Brem, Jr., S. B. Univ. of N. Carolina 1898; House Officer 1904-05.—Physician Ancon Hosp., Ancon, C. Z.

Julius Alexander Caldwell, Jr., S. B. Univ. of N. Carolina 1899; House Officer 1904-05; Asst. Res. Gynecol. 1905-06.—Physician, Salisbury, N. C.

John Robert Carr, A. B. Univ. of N. Carolina 1899; House Officer, 1904-05; Asst. Res. Surg. 1905-06.—Surgeon, Durham, N. C.

DeWitt Bellinger Casler, A. B. Yale 1900; House Officer 1904-05.—Asst. Res. Gynecol.

Ralph Torrey Edwards, A. B. Knox 1897.—Bacteriologist Bureau of Science, Manila.

Anfin Egdahl, S. B. Wisconsin 1900.—Instr. Pathol. and Bacteriol. Univ. of Iowa, Iowa City.

Harold Gould Garwood, S. B. Univ. of Colo. 1900.—Surg. Colo. Fuel and Iron Co., Redstone, Colo.

Herbert Ziegler Giffin, S. B., Princeton 1900; House Officer 1904-05; House Officer Child's Hosp., Phila.

Harry Seliger Greenbaum, A. B. 1899. —Asst. Physician; Physician, Baltimore.

Josephine Hemenway, A. B. Pritchett Coll. 1898; House Officer 1904-05.—Res. Physic. Babies' Hosp., N. Y.

William Raphael Miles Kellogg, A.B. Adelbert 1898.—Res. Physician Seattle Gen. Hosp.; Physician, Seattle, Wash.

Kenelm Julius Lee, S. B. Wisconsin 1900.—Physician, Fergus Falls, Minn.

John Marion Love, A. B. and B. L. Hampden-Sidney 1899.—Physician, Petersburg, Va.

Wilfred Hamilton Manwaring, S. B. Mich. 1895; Asst. Pathol. Chicago 1904-05.—Assoc. Prof. Pathol. and Bacteriol. Indiana Univ., Bloomington.

Herman Weston Marshall, S. B. Mass. Inst. Tech. 1897; House Officer 1904-05.—Physician, Brockton, Mass.

William Carpenter McCarty, S. B. Ky. State Coll. 1900.—Physician, St. Louis, Mo.

Ernest Clare McGouldrick, A. B. Yale 1900.—Clin. Asst. Barnes Hosp., Washington.

Lorenzo Seymour Morgan, S. B. Knox 1900.—Asst. Phys. and Surg. Tsing Kiang Pu Hosp., Kiang-Su Prov., China.

James Francis Morrison, A. B. Harvard 1900.—Res. Physician Kings Co. Hosp., Brooklyn.

Norman Oscar Nelson, S. B. Wisconsin 1900.—Physician, Madison, Wis.

James Henry Randolph, A. B. Fla. State Coll. 1900.—Asst. Physician Fla. Hosp. for Insane, Chattahoochee.

Jewett Villeroy Reed, S. B. Ky. State Coll. 1900; House Officer 1904-05.—Physician, Indianapolis, Ind.

Charles Mallory Remsen, A. B. 1899; House Officer 1904-05; Asst. Res. Physician 1905-06.—Surgeon, Balt.

William Gray Ricker, A. B. Yale 1900. —Physician, Wells River, Vt.

Esther Rosencrantz, A. B. Stanford 1899.—Interne N. Y. Infirm. for Women.
Ernest Sachs, A. B. Harvard 1900.—Interne Mount Sinai Hosp. N. Y.
Orville Hickok Schell, A. B. Yale 1900.—Senior House Surg. Mount Sinai Hosp., N. Y.
Harry Russel Stone, Ph. B. Wesleyan 1899.—Asst. House Officer N. Y. Hosp.
Henry John Storrs, A. B. Amherst 1899; Interne 1904-05.—Res. Obstetrician.
George Lane Taneyhill, Jr., A. B. 1900; Externe 1904-05.—Asst. Physician; Asst. Med.; Physician, Balt.
Benjamin Taylor Terry, A. B. Vanderbilt 1898; Fellow Pathol. Chicago 1904-05.—Res. Fellow Rockefeller Inst., N. Y.
William Lawton Thompson, A. B. Bowdoin 1899.—Physician, Portland, Me.
George Thomas Tyler, Jr., A. B. Randolph-Macon 1896.—Union Prot. Infirmary, Balt.
William Jerome Vogeler, A. B. Yale 1900.—Interne Nursery and Child's Hosp., N. Y.
Robert Glendenning Washburn, S. B. Wisconsin 1900.—Assoc. Prof. Anat. Wisc. Coll. P. and S.; Physician, Milwaukee.
Louis Schneider Weaver, A. B. Pa. Coll. 1899 and Yale 1900.—Physician, York, Pa.
John Scott Willock, S. B. Princeton 1900.—Physician, Pittsburg, Pa.
Walter Scott Wilson, A. B. N. Ga. Agric. Coll. 1880; A. M. Univ. of Ga. 1884.—Physician, Savannah, Ga.
Winfred Wilson, A. B. Weatherford Coll. 1900.—Assoc. Prof. Pathol. and Prof. of Phys. Diagnosis, Baylor Univ.; Physician, Dallas, Texas. (45)

1905

Ronald Taylor Abercrombie, A. B. 1901.—Director Gymnasium; Physician, Balt.
Clarence Allen Baer, B. L. Wisconsin 1900.—Student St. Louis Hospital, Paris.
Leon Kahn Baldauf, A. B. 1901.—Asst. Bender Hygienic Lab.; Instr. Bacteriol. Albany Med. Coll., N. Y.
Alice May Ballou, Ph. B. Brown, 1900; Interne New England Hosp. 1905-06.—Europe.
Khleber Heberden Beall, S. B. and M. S. Univ. of Texas 1899; M. D. Fort Worth Univ. 1900; House Officer 1905-06.—Asst. Res. Physician.
Bertram Moses Bernheim, A. B. 1901—Surgeon, Louisville, Ky.
Kosciusko Walker Constantine, A. B. 1901.—Student, Vienna.
Calvin Duvall Cowles, Jr., A. B. Guilford Coll. 1900; Univ. of N. Carolina 1901; Interne 1905-06.—Physician, Los Angeles, Cal.
William Dick Cutter, A. B. Yale 1899.—Interne French Hosp., N. Y.
Murray Snell Danforth, A. B. Bowdoin 1901.—Interne R. I. Gen. Hosp., Providence.
Otho Lee Dascombe, A. B. Bowdoin 1901.—Res. Physician, Waltham Hosp., Mass.
Howard Irving Davenport, A. B. Hamilton 1901.—Instr. Bacteriol. and Pathol. Syracuse Univ., N. Y.
Homer J. Davidson, S. B. Wabash 1899.—Physician, Seattle, Wash.
Solon Arthur Dodds, Ph. B. Wesleyan 1901; Interne 1905-06.—Asst. Res. Gynecologist.
Charles Edward Dowman, Jr., A. B. Emory 1901.—Student, Berlin.
John Augustine English Eyster, S. B. Md. Agric. 1899; Fellow 1905.—Instr. Physiology.
Clifton Maupin Faris, A. B. Stanford 1900; House Officer 1905-06.—Physician, Sacramento, Cal.
Frederick Reynolds Ford, S. B. Colgate 1901; House Officer 1905-06.—Physician, Elmira, N. Y.
Allen Wier Freeman, S. B. Richmond Coll. 1899.—Physician, Richmond, Va.
Philip Kingsnorth Gilman, A. B. Stanford 1901.—Asst. Res. Surg.
Sarah Mabel Grier, A. B. Bucknell 1901.—Physician, Trenton, N. J.
Edith Hale, A. B. Radcliffe 1901.—Physician, Boston.
Francis Jenks Hall, A. B. Yale 1899.—Med. Missionary, Peking, China.
Julius Theodore Haller, S. B. Chicago 1901.—Davenport, Ia.
Helen Hempstead, A. B. Allegheny 1900.—Asst. Phys. Babies' Hosp., N. Y.
Norval Thomas Hepburn, A. B. Randolph-Macon 1900.—House Gynecologist, Hartford Hosp., Conn.
Reuben Paul Higgins, A. B. Cornell 1902.—Physician, Cortland, N. Y.
Donald Russell Hooker, A. B. Yale 1899.—Asst. Physiology.
Henry Spencer Houghton, Ph. B. Ohio State Univ. 1901; Fellow Rockefeller Inst. 1905-06.—Med. Missionary, Wuhu, China.
Henry Marshall Lankford, A. B. Western Maryland 1901.—Physician, Princess Anne, Md.
George Bilton Lawson, A. M. Randolph-Macon 1899.—Res. Physician Kings Co. Hosp., Brooklyn.
Eugene Joseph Leopold, A. B. 1901.—Student, Berlin.
David Marine, A. B. Western Maryland 1900.—Physician, Cleveland.
Henry Augustus Martelle, A. B. Bowdoin 1901.—Interne Hartford Hosp., Conn.
Archibald Leete McDonald, A. B. Univ. of N. Dak. 1901.—Instr.

Anat. and Physiol. Univ. of N. Dak.; Physician, Grand Forks.
Arthur William Meyer, S. B. Wisconsin 1898.—Instr Anatomy.
William Lorenzo Moss, S. B. Univ. of Ga. 1901; House Officer 1905-06; Asst. Physician J. H. Dispensary 1906-07.—Europe.
Eugene Bishop Mumford, S. B. Wisconsin 1901.—Interne Gouverneur Hosp., N. Y.
James Edgar Paullin, Jr., A. B. Mercer 1900.—Physician, Atlanta, Ga.
George Edward Rehberger, A. B. 1901. — Physician, Craig Colony, Sonyea, N. Y.
Lawrence Joseph Rhea, S. B. Texas 1901.—Interne City Hosp., Boston. (*Degree conferred February* 22, 1906.)
Edward Henderson Richardson, A. B. Hampden-Sidney 1900; House Officer 1905-06.—Asst. Res. Gynecologist.
Charles Ricksher, S. B. Parsons Coll. 1901.—Student, Munich.
Martin Phillip Rindlaub, Jr., B. L. Wisconsin 1896.—Physician, Fargo, N. D.
Francis Peyton Rous, A. B. 1900; House Officer 1905-06. — Instr. Pathol. Univ. of Mich., Ann Arbor.
Oscar Menderson Schloss, S. B. Ala. Polytech. 1901.—Res. Phys. Kings Co. Hosp., Brooklyn.
Robert Barnard Slocum, Ph. B. Rochester 1900; House Officer 1905-06.—Supt. Walker Hosp., Wilmington, N. C.
Lewis Frederic Smead, A. B. Wooster 1901.—Asst. Res. Phys. Union Prot. Infirmary, Balt.
Charles Walter Stone, A. B. Washington and Jefferson 1901.—Interne Lakeside Hosp., Cleveland.
Caroline Benson Towles, A. B. Woman's Coll. Balt. 1898.—Chief Med. Clinic Woman's Hosp.; Physician, Balt.
Douglas Vander Hoof, B. L. Dartmouth 1901; House Officer 1905-06. —Physician, Richmond, Va.
George Hoyt Whipple, A. B. Yale 1900.—Instr. Pathol.; Asst. Res. Pathologist.
Harry Isaac Wiel, A. B. Stanford 1900; House Officer 1905-06.—Physician, San Francisco.
Hiram LaMont Youtz, Ph. B. Brown 1900.

(54)

1906

Henry Adsit, A. B. Princeton 1902.—Non-res. Surg. St. James Hosp., Hornellsville, N. Y.
Frank C. Ainley, S. B. Drake 1902.—House Officer.
Vivia Belle Appleton, A. B. Cornell 1901.—Interne, N. Eng. Hosp. Disp. for Women and Children.
Frederic Wolcott Bancroft, A. B. Stanford 1902.—Res. Phys. Roosevelt Hosp., N. Y.
Herschel Winston Bass, S. B. Ala. Polytech. 1901.—Student, Berlin.
Francis Cooke Beall, S. B. Texas 1902.—House Officer.
Edward Bailey Beasley, A. B. 1902.—Interne, Willard Parker Hosp., N. Y.
Henry Beeuwkes, A. B. 1902.—Interne, Hudson St. Hosp., N. Y.
Julian Raymond Blackman, A. B. Univ. of Neb. 1902.—Asst. Physiol. Univ. of Wis. Madison.
Phoebe May Bogart, A. B. Wellesley 1902.—Interne, Syracuse Hosp. N. Y.
Edwards Bennett Brown, A. B. Beloit 1901.—Physician, Beloit, Wis.
Louis Herbert Burlingham, A. B. Yale 1902.—Externe, Mass. Gen. Hosp. Boston.
Charles Metcalfe Byrnes, S. B. Univ. of N. C. 1902.—Instr. Anat. Univ. of Va. Charlottesville.
John Roberts Caulk, A. B. St. John's 1901.—Interne, Union Prot. Infirm. Balt.
Frank Higbee Church, A. B. Hamilton 1902.—Interne, Utica Gen. Hosp. N. Y.
Oren Howard Cobb, A. B. Harvard 1902.—Physician, New York.
T. Homer Coffin, S. B. Penn Coll. 1901.—Instr. Pathol. New York Post-Grad. Hosp.
Herbert Phalon Cole, A. B. St. Lawrence Univ. 1901.—Physician, Balt.
Egerton Lafayette Crispin, Ph. B. Illinois Coll. 1902.—Res. Pathologist, Penna. Hosp. Phila.
Ernest Samuel Cross, A. B. Dartmouth 1901.—House Officer.
Victor Francis Cullen, A. B. Rock Hill 1902.—Interne, St. Joseph's Hosp. Balt.
Gaston Day, S. B. Florida State Coll. 1902.—Interne, St. John's Riverside Hosp. Yonkers, N. Y.
Richard Nixon Duffy, A. B. Univ. of N. C. 1902.—House Officer.
Francis Fisher Ebersole, A. B. Cornell Coll. 1902.—Interne, King's Co. Hosp., Brooklyn.
Eugene Price Gray, A. B. Univ. of N. C. 1902.—Interne, Walker Hosp. Wilmington, N. C.
Herbert Lee Gray, A. B. Colby 1902. —Physician, Carp, Ont.
Franklin Webb Griffith, A. B. Western Md. Coll. 1902.—Externe, Gynecology.
Arthur Heywood Griswold, A. B. Harvard 1902.—Interne, Hartford Hosp. Conn.
Henry Honeyman Hazen, A. B. 1902. —Clin. Asst. Phipps' Disp.; Res. Surgeon, Good Samaritan Hosp. Balt.
Henry Frederic Helmholz, S.B. Univ. of Wis. 1902.—Fellow, Pathology.
Charles William Hennington, S. B. Rochester 1902.—House Officer.
Minerva Herrinton, A. B. Cornell Coll. 1900. — Physician, Cumberland, Md.

Joseph Henry Hewitt, A. B. Univ. of N. C. 1899.—Res. Pathologist, Char. Hosp. Cleveland.
Frank Hinman, A. B. Stanford 1902. —Res. Phys. St. Luke's Hosp. Spokane, Wash.
Josephine Drummond Hunt, A. B. Kentucky Univ. 1899.—Interne, Syracuse Hosp. N. Y.
Elliott H. Hutchins, A. B. St. John's 1902.—Interne, Church Home, Balt.
Clarence B. Ingraham, Jr. Ph. B. Yale 1902.—Interne, Obstetrics.
Lawrence Lee Iseman, Ph. B. Lafayette 1902.—Junior Res. Kensington Hosp. for Women, Phila.
William Finney Kellam, A B. Randolph-Macon 1902.—Physician, Wachapreague, Va.
Eugene Robert Kelley, A. B. Bowdoin 1902.—Interne, Carney Hosp. Boston.
John Hendricken King, A. B. 1899—Voluntary Asst. Medicine; Physician, Balt.
Mary Barker Kingsbury, A. B. Wellesley 1899. — Physician, Seattle, Wash.
Wilhelm Edmund Harmon Krechting, A. B. Princeton 1902.—Asst. House Surg. N. Y. Lying-In Hosp.
Harry Leslie Langnecker, A. B. Stanford 1901.—House Officer.
Andre Edward Lee, A. B. Stanford 1902.—Asst. Surg. U. S. N., Mare Island Navy Yard Hosp. Cal.
Joseph Stocking Lewis, A. B. Canisius Coll. 1902.—Interne, German Hosp. N. Y.
David Israel Macht, A. B. 1902.—Student, Berlin.
George Marsden, Ph. B. Brown 1900. —Physician, New Bedford, Mass.
Enoch Marvin Mason, S. B. Ala. Polytec. 1900.—House Officer.
Carl L. Meloy, A. B. Wittenberg 1902. —Instr. Univ. of Va. Charlottesville.
Robert Emory Moore, A. B. 1902.—Interne, King's Co. Hosp. Brooklyn.
Arthur Henry Morse, A. B. Tufts 1902.—Pathol. Interne, R. I. Gen. Hosp. Providence.
Agnes Gordon Murdoch, A. B. Woman's Coll. Balt. 1902.—Interne, New Eng. Hosp. Roxbury, Mass.
Marie Eleanor Nast (Mrs. W. B. Wherry), A. B. Woman's Coll. Balt. 1902.—Physician, Cincinnati, O.
John Francis Ortschild, A. B. Stanford 1899.—Asst. Operative Surgy.
Robert Patek, S. B. California 1901. —Physician, San Francisco.
Isaac Rosenbaum Pels, A. B. 1902.—Physician, Balt.
Damon Beckett Pfeiffer, A. B. Princeton 1902.—Interne, German Hosp. Phila.
Benjamin Swayne Putts, A. B. 1902. —Asst. Res. Pathologist, Allegheny Genl. Hosp.
Ralph R. Rea, S. B. Iowa Univ. 1899. —Physician, Los Angeles, Cal.
Francis Hamilton Redewill, S. B. California 1902.—Interne, Sheltering Arms Hosp., Hansford, W. Va.
Richard Frederic Lot Ridgway, A. B. Princeton.—Res. Phys. Harrisburg Hosp. Pa.
Henry Camp Russ, A. B. Yale 1902.—Res. Pathologist, Lakeside Hosp. Cleveland.
Harold Payne Sawyer, S. B. Univ. of Alabama 1902. — Physician, Lansingburg, N. Y.
Edwin Henry Schorer, S. B. Univ. of Wis. 1902.—Rockefeller Inst. N. Y.
Lamar Seeley, A. B. Williams 1902.—Interne, St. Luke's Hosp. N. Y.
Ralph Berger Seem, Ph. B. Lafayette 1902.—Interne, St. Luke's Hosp. South Bethlehem, Pa.
Frank Joseph Sladen, A. B. Yale 1902. —House Officer.
Harry Gordon Sloan, A. B. Washington and Jefferson 1902.—Interne, Lakeside Hosp. Cleveland.
Harvey Brinton Stone, A. B. 1902.—House Officer.
Solomon Strouse, A. B. 1902.— House Officer.
Henry Clarke Thacher, A. B. Yale 1902, and M. S. 1904.—Interne, Bellevue Hosp. N. Y.
Philip Pickering Thompson, A. B. Dartmouth 1902.—Interne, Carney Hosp. Boston.
Harry Norton Torrey, S. B. Knox 1900; A. M. Mich. 1905.—Physician, Detroit, Mich.
Willis Willard Waite, S. B. Univ. of Wis. 1902.—Pathol. Interne, City Hosp. Blackwell's Island, N. Y.
Harold Randall Webb, A. B. Bowdoin 1902.—Res. Physician, City Hosp., Waltham, Mass.
George Howard White, Jr. A. B. Princeton 1902.—House Officer.
Frederick Petheram Wilbur, A. B. Williams 1902.—Interne, City Hosp. Blackwell's Island, N. Y.
Nannie Lee Winn, A. B. Woman's Coll. Balt. 1900.—Saranac Lake, N. Y.
John Arthur Winter, A. B. Mich. 1902.—Physician, Calumet, Mich.
Gilman Joseph Winthrop, A. B. Univ. of South 1902.—Interne, Gouverneur Hosp. N. Y.
Benjamin Edgar Wolfort, S. B. Univ. of Pa. 1902.—Interne, Jewish Hosp., N. Y.
Samuel Wolman, A. B. 1902.—Asst. Med. Clin. Lab.; Physician, Balt.
Peregrine Wroth, Jr., A. B. 1902.—Interne, Union Prot. Infirm., Balt.

MASTER OF ARTS (HONORARY)

1902

William Thomas Councilman, M. D. (Univ. of Md.)—Prof. of Pathol. Anatomy, Harvard.
Benjamin Ives Gilman, A. B. (Williams)—Curator, Museum of Fine Arts, Boston.
John M. Glenn, A. M. (Wash. and Lee)—Pres. Board of Supervisors of City Charities, Balt.; Lecturer on Public Aid, etc.
Clayton Colman Hall, LL. B. (Univ. of Md.)—Atty. at Law and Consulting Actuary, Balt.; Lecturer on Insurance.
Theodore Marburg.—Balt.; Member of the Board of Trustees.
William L. Marbury.—Atty. at Law, Balt.
Robert Lee Randolph, M. D. (Univ. of Md.)—Assoc. Prof. of Ophthalmology and Otology.
Lawrason Riggs, A. B. (Princeton), LL. B. (Univ. of Md.)—Atty. at Law, Balt.
Henry M. Thomas, M. D. (Univ. of Md.)—Clinical Prof. of Neurology.
Julian LeRoy White, A. M. (Cambridge)—Baltimore.

BACHELOR OF ARTS

When the institution is not named, this university or the Johns Hopkins Hospital is to be understood. (F) indicates that the person has held a fellowship here. * Died.

1879

George Washington McCreary.—Asst. Sec. and Librarian, Md. Hist. Soc. Balt.
Chase Palmer (F), Ph. D. 1882; Asst. Mass. Inst. Tech. 1882-83, Tufts Coll. 1887-88; Prof. Mass. Norm. Sch. Salem, 1883-87, Wabash Coll. 1888-90, Manual Train. Sch. Louisville 1895-1901, Central Univ. Ky. 1901-05, Prof. Chem. Ky. State Coll. 1905-06.
Edward Henry Spieker (F), Ph. D. 1882.—Assoc. Prof. Greek and Latin. (3)

1880

Rev. Thomas Milton Beadenkopf, B. D. Yale 1885.—Clergyman, Balt.
Allen Kerr Bond, M. D. Univ. of Md. 1882.—Physician, Balt.
*William Cathcart Day (F), Ph. D. 1883; Prof. Chem. St. John's 1883-84, Univ. of Nashville 1884-87, Swarthmore 1887-1901. **August* 5, 1905.
Henry Laurence Gantt, M. E. Stevens 1884.—Mechan. Eng. Schenectady, N. Y.
Edgar Goodman, LL. B. Univ. of Md. 1881.—Editor *Balt. American.*
Rev. Carl Eckhardt Grammer, Va. Theol. Sem. 1884; S. T. D. Trinity 1895; Prof. Va. Theol. Sem. 1887-97.—Clergyman, Philadelphia.
Alexander Fridge Jamieson.—Latin Master, Lawrenceville School, N. J.
*Edmund Allen Jarvis. **October* 15, 1880.
Stewart Brian Linthicum, LL. B. Univ. of Md. 1882.—Atty. at Law, Portland, Ore.
John Hanson Lowe, LL. B. Univ. of Md. 1882.—Atty. at Law, Balt.
Rev. Leigh Clinton Morgan.—Clergyman, N. Y.
*Nelson Palmer. **June* 12, 1886.
Thomas Pettigrew.—Civil Engineer.
Harry Fielding Reid (F), Ph. D. 1885; Prof. Case School 1886-94; Assoc. Prof. Chicago 1895-97.—Prof. Geol. Physics.
*Wiltz Raymond Stricklen. **December* 19, 1900.
Lewis Webb Wilhelm (F), Ph. D. 1884.—Vice-Prin. College Prep. Sch. Balt. (16)

1881

William Wilson Baden (F), LL. B. Univ. of Md. 1883; Ph. D. 1892; Prof. Southwestern Univ. 1892-93, Central (Ky.) 1893-96.—Prof. Greek and Latin, Idaho Univ. Moscow.
Henry Johns Bowdoin, LL. B. Univ. of Md. 1883.—Baltimore.
John Wilson Brown.—Philadelphia.
David Talbot Day (F), Ph. D. 1884. —U. S. Geol. Survey, Washington.
William Henry Howell (F), Ph. D. 1884; Mich. (Hon. M. D. 1890, Lecturer and Prof. 1889-92); LL. D. Trinity 1901; Assoc. Prof. Harvard 1892-93.—Prof. Physiol. and Dean, Med. Faculty.
John Hemsley Johnson, LL. B. Univ. of Md. 1887.—Atty. at Law, Balt.
*James Edward Keeler, D. Sc. Cal. 1893; Fellow Royal Astron. Soc. London; Allegheny Observ. 1882-86; Lick Observ. 1886-91; Rumford Medalist, Amer. Acad. Arts and Sci. 1898; Prof. Western Univ. of Pa. and Director, Allegheny Observ. 1891-98; Director Lick Observ. 1898-1900. **August* 12, 1900.
Rev. Edwin George Richardson.
*Adoniram Judson Robinson, LL. B. Univ. of Md. 1885; Instr. Balt. City Coll. 1881-87. **November* 23, 1904.
*Henry Rolando, M. D. Univ. of Md. 1883. **October* 4, 1888.

Lee Sale, LL. B. Wash. Univ. 1885; Instr. Louisville High School 1881-83.—Atty. at Law, St. Louis; Lecturer, Wash. Univ.
Mactier Warfield, M. D. Univ. of Md. 1884. — Physician, Balt.; Instr. Laryngology. (12)

1882

William Hughlett Adkins, LL. B. Univ. of Md. 1883.—Atty. at Law, Easton, Md.; Assoc. Judge, State Court of Appeals.
Thomas Alexis Berry.—Baltimore.
Gustav Bissing (F), Ph. D. 1885; Examiner, U. S. Patent Office, 1884-97.—Patent Atty. New York.
Walter Bernard Clarkson, Lecturer and Asst. Prof. Law, Yale 1901-03. —Atty. at Law, Jacksonville, Fla.
Herman Louis Ebeling (F), Ph. D. 1891; Prof. Miami Univ. 1891-99; Instr. and Acting Prof. Haverford 1901-03.—Asst. Prof. Greek and Latin, Hamilton, Clinton, N. Y.
Louis Garthe.—Journalist, Wash.
Edward Ingle.—Manag. Ed. *Manfr. Record*, Balt.
*Richard Fuller Kimball, LL. B. Univ. of Md. 1884. **January* 1, 1905.
*Gustav Adolph Liebig, Jr. (F), Ph. D. 1885, Asst. 1887-90. **February* 10, 1897.
Charles William Emil Miller (F), Ph. D. 1886.—Assoc. Prof. Greek.
James Page.—U. S. Hydrographic Office, Washington.
Albert Gallatin Palmer (F), Ph. D. 1885; Asst. and Asst. Prof. Chem. Swarthmore 1885-87.—Norwood, Md.
Robert Miller Reese.—Dept. of Agric. Washington.
*Louis Tebbetts Stevens (F), M. D. Harvard 1887; late Lecturer, Wash. Univ. **February* 9, 1898.
Herbert Thorndyke Tiffany, LL. B. Univ. of Md. 1885.—Atty. at Law, Balt. (15)

1883

William Shirley Bayley (F), Ph. D. 1886; Prof. Colby 1888-1904.—U. S. Geol. Survey; Asst. Prof. Geol. Univ. of Ill. Champaign.
Maurice Fels, LL. B. Univ. of Pa. 1886.—Atty. at Law, Philadelphia.
David Sterrett Gittings.—Baltimore.
William Beatty Harlan, LL. B. Univ. of Md. 1885; A. M. St. John's 1888. —Atty. at Law, Churchville, Md.
George Theophilus Kemp (F), Ph. D. 1886; M. D. L. I. Med. Coll. 1891; Demonstr. Univ. of Pa. 1886-87; Assoc. and Assoc. Director, Hoagland Lab. 1888-93.—Prof. Physiol. Univ. of Ill. Champaign.
Gonzalez Lodge (F), Ph. D. 1886; LL.D. Franklin and Marshall 1901; Prof. Davidson 1886-88, Bryn Mawr 1889-1900.—Prof. Latin and Greek, Teachers Coll. N. Y.
William Edgar Stratton, M. D. Harvard 1886.—Physician, Brooklyn.
Henry Winslow Williams, LL. B. Univ. of Md. 1885.—Atty. at Law, Balt.
Henry Van Peters Wilson (F), Ph. D. 1888; Bruce Fellow 1888-89.—Prof. Biol. Univ. of N. C. Chapel Hill.
William John Witzenbacher.—Atty. at Law, Hagerstown, Md. (10)

1884

Rev. Albert Clayton Applegarth, Ph. D. 1887; LL. B. Univ. of Md.—Clergyman, Huntingdon, Pa.
Charles Walter Artz, LL. B. Columbia 1886.—Atty. at Law, N. Y.
Walter Bliss Canfield. — Chemist, Pittsburg.
George Gibson Carey, LL. B. Univ. of Md. 1886.—Atty. at Law, Balt.
William Kennedy Cromwell.—Balt.
Charles William Remsberg Crum, M. D. Univ. of Md. 1888; Instr. Mercersburg 1884-86, 1889-90; Prof. Math. Ursinus 1892-95.—Physician, Brunswick, Md.
Harry Friedenwald, M. D. Phys. and Surg. (Balt.) 1886.—Physician, Balt.; Prof. Ophthalmol. etc. Coll. of P. and S.
Rev. William Lindsay Glenn, LL. B. Univ. of Md. 1888.—Clergyman, Emmorton, Md.
John Hinkley, LL. B. Univ. of Md. 1886.—Atty. at Law, Balt.
Charles Morris Howard, LL. B. Univ. of Md. 1888.—Atty. at Law, Balt.; Prof. Balt. Law School.
*John Deering Lord, Jr. LL. B. Columbia 1886. **January* 27, 1902.
Jere Williams Lord, M. D. Univ. of Pa. 1887.—Physician, Balt.; Clin. Prof. Dermatol.; Assoc. Prof. Anat. Balt. Med. Coll.
William Patrick Lyons, LL. B. Univ. of Md. 1886.—Atty. at Law, Balt.
Edgar George Miller, Jr. LL. B. Univ. of Md. 1886.—Atty. at Law, Balt.
William Ridgely Orndorff (F), Ph. D. 1887.—Prof. Organ. Chem. Cornell.
George Dobbin Penniman, LL. B. Univ. of Md. 1886.—Atty. at Law, Balt.; Prof. Balt. Univ. Law Sch.
William Henry Perkins, Jr. LL. B. Univ. of Md. 1888.—Atty. at Law, Balt.
*George Clement Stokes, Jr. LL. B. Univ. of Md. 1888. **January* 21, 1897.
*William John Thomas, Prof. Math. Western Md. Coll. 1884-85. **March* 9, 1885.
*William Ferdinand Walz. **March* 21, 1887.
Frederick Henry Wilkens, Ph. D. Leipsic 1891; Asst. Prof. Univ. of Wis. 1893-96; Union Univ. 1898-04. —Asst. Prof. German, New York Univ.

George Wishart Edmond (*extra ordinem*).—Woodford's, Me.
Charles Howard Shinn (*extra ordinem*). — Supervisor, N. Sierra Forest Reserve, North Fork, Cal. (23)

1885

John Pendleton Campbell (F), Ph. D. 1888.—Prof. Biol. Univ. of Ga. Athens.
John Glenn, Jr. LL. B. Univ. of Md. 1887.—Atty. at Law, Balt.
Rt. Rev. Junius Moore Horner, S. T. B. Gen. Theol. Sem. N. Y. 1890.—Bishop of Asheville, N. C.
James Albert Loane.—Baltimore.
Harry Wilbur Price, LL. B. Columbian 1887.—Atty. at Law, Chicago.
Benjamin Titus Roberts, Jr.
Moses Roth Ryttenberg, LL. B. Univ. of Md. 1888.—Atty. at Law, N. Y.
Hugo Steiner, LL. B. Univ. of Md. 1887.—Atty. at Law, Balt.
Henry Hazlehurst Wiegand, Proficient in Elec. 1889.—Elec. Engineer, Balt. (9)

1886

Joseph Sweetman Ames (F), Ph. D. 1890.—Prof. Physics.
Wilson Lloyd Bevan, S. T. B. Gen. Theol. Sem. N. Y. 1889; A. M. and Fellow, Columbia 1889; Ph. D. Munich 1893; late Prof. Hist., Univ. of the South.
Thomas Hepburn Buckler, M. D. Univ. of Md. 1888.—Physician, Balt.
Alfred Robert Louis Dohme, Ph. D. 1889.—Mfg. Chemist, Balt.; Instr. Pharmacy.
Albert Alvin Doub.—Atty. at Law, Cumberland, Md.
William Snyder Eichelberger (F), Ph. D. 1891; Instr. Wesleyan 1891-96.—Prof. Math. U. S. Navy, Wash.
Harry English.—Instr. High School, Washington.
Abraham Flexner, A. M. Harvard 1906.
William Edward Gates.—Cleveland, Ohio.
*William Curns Lawrence Gorton (F), Ph. D. 1889; Assoc. Prof. and Prof. Math. Woman's Coll. Balt. 1888-94. **November* 8, 1894.
Joseph Edward Harry (F), Ph. D. 1889; Prof. Georgetown, Ky. 1889-1900.—Acting Pres. (1904), Dean Grad. School, Prof. Greek, Univ. of Cincinnati.
Benjamin Henry Hartogensis.—Atty. at Law, Balt.
James Shaler Hodges, Profic. in Elec. 1890.—Elec. Engineer, Balt.
Theodore Hough (F), Ph. D. 1893; Instr. and Asst. Prof. Mass. Inst. Tech. 1893-1903.—Assoc. Prof. Biol. Simmons Coll. Boston.
Percy Meredith Hughes.—Director of High Schools, Wash.
*John Henry Laessig, Jr. **December* 28, 1903.
Allan McLane, Jr. LL. B. Univ. of Md. 1888.—Atty. at Law, Balt.
John Hanson Thomas McPherson (F), Ph. D. 1890; Instr. Univ. of Mich. 1890-91.—Prof. Hist. Univ. of Ga. Athens.
Colyer Meriwether, Ph. D. 1893.—Instr. English, etc. High School, Washington.
John Pleasants.—Baltimore.
Richard Hall Pleasants, Jr. LL. B. Univ. of Md. 1889.—Atty. at Law, Balt.
*William Flood Smith, Coll. of P. and S. Balt. (M. D. 1889, late Assoc. Prof. Surg. Anat.). **April* 14, 1903.
Michael Daniel Stein.
Bernard Wiesenfeld, LL. B. Univ. of Md. 1889.—Atty. at Law, Balt.
John Whitridge Williams, M. D. Univ. of Md. 1888.—Physician, Balt.; Obstetrician in Chief; Prof. Obstetrics.
Langdon Williams.—Teacher, Philadelphia.
*William Klapp Williams, Ph. D. 1889. **June* 4, 1897.
John Randolph Winslow, M. D. Univ. of Md. 1888.—Physician, Balt.
*Allan Chase Woods. **September* 9, 1886.
Frederick George Young, Vice-Pres. S. Dak. Normal School 1888-91.—Prof. Econ. etc. Univ. of Oregon, Eugene.
*Thomas McCabe (*extra ordinem*) (F), Ph. D. 1888; Instr. Univ. of Mich. 1888-89; Prof. Ind. Univ. 1889-90; Assoc. Romance, Bryn Mawr 1890-91. **February* 22, 1891. (31)

1887

Rev. Edward Carey Applegarth (F), Ph. D. 1890; M. D. P. and S. Balt. 1892.—Clergyman, Boston.
Richard Howard Bayard, LL. B. Univ. of Md. 1889.—Atty at Law, Balt.
Herbert Maxwell Brune, LL. B. Univ. of Md. 1889.—Atty. at Law, Balt.
Charles Edward Coates, Jr., Ph. D. 1891; Prof. St. John's 1891-93.—Prof. Chem La. State Univ. Baton Rouge.
Rev. William Roswell Cole, B. D. Harvard 1890.—Clergyman, Cohasset, Mass.
Paul Joseph Dashiell, Ph. D. 1891; Instr. Lehigh 1889-92.—Prof. Math. U. S. Navy; U. S. Naval Academy, Annapolis.
George Peter Dreyer (F), Ph. D. 1890; Demonstr. Assoc., Assoc. Prof. 1890-1900.—Prof. Physiol. Med. Dept. Univ. of Ill., Chicago.
Edward Duffy, Jr., LL. B. Univ. of Md. 1889.—Atty. at Law, Balt.
James Clark Fifield.—Atty. at Law, Minneapolis.
Julius Friedenwald, M. D. P. and S. Balt. 1900; A. M. Loyola 1898.—Physician, Balt.; Assoc. Prof. Path. Coll. of P. and S.
Douglas Huntly Gordon, LL. B.

Univ. of Md. 1889.—Prest. Internat. Trust Co., Balt.

Jay Cæsar Guggenheimer, LL. B. Columbia 1891.—Atty. at Law, N. Y.

Charles Homer Haskins, Ph. D. 1890; Instr. 1889-90; Asst. Prof. and Prof. Univ. of Wis. 1890-1902.—Prof. Hist. Harvard.

George Lincoln Hendrickson, L. H. D. Western Reserve 1902; Prof. Colo. Coll. 1889-91; Univ. of Wis. 1891-96.—Prof. Latin, Univ. of Chicago.

Franz Otto Karl Hoffmann.—Berlin, Germany.

*Robert Milligan McLane, Jr., LL. B. Univ. of Md. 1891; State's Atty. Balt. 1899-1903; Mayor of Baltimore 1903-04. **May* 30, 1904.

Robert William Rogers, Haverford (Ph. D. 1890; Instr. 1887-90); D. D. Wesleyan 1894; Ph. D. Leipsic 1895; Prof. Dickinson 1890-93.—Prof. Hebrew, Drew Theol. Sem., Madison, N. J.; Lecturer, Woman's Coll., Balt.

Henry Oliver Thompson, LL. B. Univ. of Md. 1890.—Atty. at Law. Balt.

Benjamin Tuska, Columbia (A. M. 1888; LL. B. 1889).—Atty. at Law. N. Y.

Rev. Robert William Henry Weech,—Clergyman, Balt.

*Edward William Willis, M. D. Univ. of Md. 1889. **August* 7, 1893.

Henry Firey Wingert.—Atty. at Law, Hagerstown, Md.

Walter Bell Scaife (*extra ordinem*), Ph. D. Vienna 1887.—Pittsburg.

*Albert Henry Smyth (*extra ordinem*); Lecturer 1899-1900; Prof. English, Central High School, Phila. 1886-1907. **May* 4, 1907.

(24)

1888

Henry Harold Ballard, Ph. D. 1893; Instr. Chem. Rose Polytech 1893-96.—Princ. High School, Northport, N. Y.

Edward Ambrose Bechtel (F). Chicago (Fellow 1897-98, Asst. and Assoc. 1898-02; Ph. D. 1900); Instr. Northwestern 1893-97.—Instr. Latin, Univ. of Chicago.

James William Black, Ph. D. 1891; Acting Prof. Georgetown, Ky., 1891-92; Assoc. Prof. Oberlin 1892-94.—Prof. Hist. Colby, Waterville, Me.

Charles Pliny Brigham, Ph. D., 1891. —Greenport, Long Island, N. Y.

*William Bromwell, Ph. D. 1895; Instr. Chem. Pratt Inst., Brooklyn, 1896-98. **September* 30, 1898.

*Hamilton McFarland Brown. **May* 8, 1892.

Arthur Lee Browne, Balt. Med. Coll. (M. D. 1901; Assoc. Prof. Chem.); Consulting Chemist, Balt.

Charles Hamilton Carey.—Baltimore.

John Broughton Daish, LL. B. Georgetown (D. C.) 1900.—Atty. at Law, Washington.

Rev. William Levering Devries (F), Ph. D. 1892; S. T. B. Gen. Theol. Sem. N. Y. 1894.—Clergyman, Washington.

Gustav Edward Gieske, M. D. P. and S. (Balt.) 1891.—Catonsville, Md.

Raleigh Colston Gildersleeve.—Architect, N. Y.

Harris Hancock, Ph. D. Berlin 1894; D. Sc. Paris 1901; Asst. Instr. Assoc. Chicago 1892-1900. — Prof. Math. Univ. of Cincinnati.

Walter Jones, Ph. D. 1891; Acting Prof. Wittenberg 1891-92; Instr. and Prof. Purdue 1892-95.—Assoc. Prof. Physiol. Chem.

*William Augustine Jones, LL. B. Univ. of Ala. 1889. **February* 11, 1894.

Arthur Lincoln Lamb.—Science Master, Country School, Balt.

Charles Day Lanier.—Asst. Ed. *Review of Reviews*, N. Y.

John Bright Macauley.—Princ. Examiner, U. S. Patent Office, Wash.

*William Howard Miller, Instr. Math. Stanford 1891-93. **March* 2, 1893.

*George Neville Moore. **October* 29, 1889.

John Henry O'Donovan M. D. Univ. of Md. 1891.—Baltimore.

Frank Eugene Reader.—Atty. at Law, New Brighton, Pa.

Louis Rettger.—Prof. Nat. Sci. Terre Haute Normal School, Ind.

David Ellsworth Roberts. — Asst. Chief Div. of Prints, Library of Congress.

Lessing Rosenthal, LL. B. Northwestern 1891.—Atty. at Law, Chicago.

Charles Edmund Simon, M. D. Univ. of Md. 1890.—Physician, Balt.; Prof. Clin. Diagnosis, Md. Med. Coll.

Charles Kephart Swartz, (F), Ph. D. 1904; B. D. Oberlin 1892; Fellow, Clark 1889-90.—Assoc. Geology and Paleontology.

Robert Melvin Tarleton, E. M. Lehigh 1895.—Mining Eng. N. Y.

Edward Lucas White, Asst. Dartmouth 1891-92. — Classical Instr. Boys' Latin School. Balt.

John White, Jr., (F), Ph. D. 1891; Asst. Cornell 1891-93; Prof. Univ. of Neb. 1893-03.—Prof. Chem. Rose Polytech, Terre Haute, Ind.

Westel Woodbury Willoughby (F), Ph. D. 1891; Acting Asst. Prof. Stanford 1894-95.—Prof. Polit. Science.

William Franklin Willoughby, Lecturer 1900-01; Lecturer, Harvard 1900-01.—Treasurer of Porto Rico, San Juan.

Charles Hiram Chapman (*extra ordinem*) (F), Ph. D. 1890; Instr. and Assoc. 1889-92; Prest. Univ. of Oregon, 1893-99.—Woodland, Wash.

Charles Collier Holden (*extra ordinem*).—Instr. Romance Lang. West Va. Univ., Morgantown.

(34)

1889

Adolph Bernhard, Chicago (Ph. D. 1894; Asst. Chem. 1893-98).—Science Teacher, Green Bay, Wis.
Hiram Horsburgh Bice.—Class. Instr. High School, N. Y.
John Sedgewick Billings, M. D. Univ. of Pa. 1892.—Physician, N. Y.
Walton Bolgiano, M. D. Univ. of Pa. 1892.—Physician, Balt.
Theodore Cooke, Jr., M. D. Univ. of Md. 1891.—Physician, Balt.
Frank Barnum Culver.—New York.
*Richard Edward Edes, Harvard (M. D. 1895; Morgan Fellow 1889-91); Instr. Mass. Inst. Tech. 1892-93. **November* 25, 1901.
Daniel Nathan Eisendrath, M. D. Chicago Med. Coll. 1891.—Physician, and Adj. Prof. Surg. Univ. of Ill., Chicago.
Albert Bernhardt Faust (F), Ph. D. 1892; Instr. 1894-96; Assoc. Prof. Wesleyan 1896-03; Asst. Prof. Univ. of Wis. 1903-04.—Asst. Prof. German, Cornell.
Charles Lee Fulton, LL. B. Univ. of Md. 1892.—Atty. at Law, Balt.
Joseph Elliott Gilpin, Ph. D. 1892.—Assoc. Chemistry.
Ross Granville Harrison (F), Ph. D. 1894; Bruce Fellow 1894; M. D. Bonn 1899; Lecturer, Bryn Mawr, 1894-95.—Assoc. Prof. Anatomy.
George Newton Cressy Henschen.—Instr. High School, Harrisburg, Pa.
William Sadler Hilles.—Baltimore.
William Isaac Hull, Ph. D. 1892.—Prof. Hist. Swarthmore, Pa.
Harry Clary Jones (F), Ph. D. 1892.—Prof. Phys. Chem.
George Charles Keidel (F), Ph. D. 1895.—Assoc. Romance Lang.
*Jesse William Lazear, M. D. P. and S. (N. Y.) 1892; Asst. Clin. Micros. 1897-1900; Asst. Surg. U. S. A. 1900. **September* 25, 1900.
Alfred Mann, M. D. P. and S. (N. Y.) 1892.—Asst. Path. Univ. of Denver; Physician, Denver, Colo.
Charles Carroll Marden, Ph. D. 1894; Instr. Mich. 1890-91.—Prof. Spanish.
William Watson McCulloh, LL. B. Univ. of Md. 1892; M. D. Univ. of Pa. 1898.—Physician, Balt.
Philip Randle Moale, Ph. D. 1894.—Chemist, Asheville, N. C.
Waldo Newcomer.—Prest. Nat. Exchange Bank, Balt.; Member Board of Trustees.
Leonard Magruder Passano.—Instr. Math. Mass. Inst. Tech., Boston.
Arthur Jackson Patek, M. D. Univ. of Pa. 1892.—Physician, Milwaukee, Wis.
William Peters Reeves, Ph. D. 1893; Asst. Union 1895-97; Prof. Iowa Univ. 1897-1900.—Prof. English, Kenyon, Gambier, O.
Legh Wilber Reid, Princeton (M.S. 1896; Instr. 1893-1900); Ph. D. Gottingen 1899.—Prof. Math. Haverford.
Ralph Robinson, LL. B. Univ. of Md. 1891.—Atty. at Law, Balt.
Brantz Mayer Roszel (F), Ph. D. 1896; Instr. Physics, Wash. High School, 1896-1903.—Head Master, Gram. School, Sewanee, Tenn.
Rev. John George Sadtler, S. T. B. Gen. Theol. Sem. N. Y. 1893.—Clergyman, Balt.
Benjamin Bittinger Shreeves, LL. B. Univ. of Md. 1891.—Atty. at Law, Balt.
Robert Tunstall Taylor, LL. B. Univ. of Va. 1891.—Surgeon, Balt.; Chief Surgeon, Hosp. for Crippled Children.
Walter Herron Taylor, LL. B. Univ. of Va. 1891.—Atty. at Law, Norfolk, Va.
Winfield Scott Thomas.—Asst. Prof. Education and Examiner of Schools, Univ. of Cal., Berkeley.
Harry Maas Ullmann, Ph. D. 1892; Hon. Fellow Chicago 1892-93.—Asst. Prof. Anal. and Indus. Chem. Lehigh.
Horatio Alanson Warren.—Teacher, Broad Brook, Conn. (36)

1890

John McEwen Ames.—Mechanical Engineer, New York.
William Hand Browne, Jr. Profic. in Elec. 1892; Instr. Univ. of Neb. 1896-98; Asst. Prof. Univ. of Ill. 1898-1902.—Tech. Ed. *Electrical Review*, N. Y.
James Edmund Bryan, Jr.—Supervisor of Schools, Camden, N. J.
Rev. Ralph Erskine Carson, Allegheny Theol. Sem. 1895.—Missionary, Dolaib Hill, Soudan, Egypt.
*William Henry Carson, LL. B. and A. M. Harvard 1894. **August* 12, 1899.
Sydney Million Cone, M. D. Univ. of Pa. 1893; Asst. Surg. Path. 1896-1900.—Physician, Balt.; Lecturer, Balt. Med. Coll.
Vernon Cook, LL. B. Univ. of Md. 1892.—Atty. at Law, Balt.
Lucius Bradley Dorr, M. D. Univ. of Md. 1890.—Physician, Buffalo, N. Y.
Edwin Stanton Faust, Ph. D. Munich 1893; M. D. Strassburg 1898; Asst. 1894-95.—Prof. Pharmacol., Strassburg.
Ned Arden Flood, Allegheny (A. M. 1898; Lecturer 1895-98).—Atty. at Law, Meadville, Pa.
Herbert Friedenwald, Ph. D. Univ. of Pa.—Philadelphia.
Fielding Hudson Garrison, M. D. Georgetown 1893.—Physician, Washington.
Philip Fusting Gerry, Catholic Univ. (Ph. D. 1900, late Fellow and Instr.).—Director of English Instruction, Tech. Schools, Washington.
George William Gray, Ph. D. 1895.—Chemist, Standard Oil Co., Whiting, Ind.

Samuel H. Guggenheimer.—Atty. at Law, N. Y.
Daniel Dorsey Guy. — Journalist, Washington, D. C.
James Chew Johnston, M. D. N. Y. Univ. 1892.—Physician, N. Y.; Instr. Pathol. etc. Cornell.
Edward Parkin Keech, Jr., LL. B. Univ. of Md. 1892.—Atty. at Law, Balt.
Henry McElderry Knower, (F), Ph. D. 1896; Bruce Fellow 1895-96; Instr. Williams 1896-97. — Instr. Anat.; Sec. and Co-Editor *American Journal of Anatomy*.
Berwick Bruce Lanier, M. D., Univ. of Md. 1892.—Physician, Balt.
Sylvan Hayes Lauchheimer, LL. B. Univ. of Md. 1892.—Atty. at Law, Balt.; Asst. City Solicitor.
Tilghman Brice Marden, M. D., Univ. of Md. 1892.—Physician, Balt.; Assoc. Prof. Biol. and Histol., Balt. Med. Coll.
George Clarence Morrison, LL. B. Univ. of Md. 1893; Supt. Md. Sch. for Blind 1903-05.—Atty. at Law, Balt.
Arthur Alexander Oehm.—Instr. in Music, Balt.
*Arthur Rosewald Oppenheimer, M. D. Univ. of Pa. 1893. **April* 29, 1895.
Rev. Lyman Pierson Powell.—Clergyman, Northampton, Mass.
Rev. Samuel Guy Snowden, B. D. Drew Theol. Sem. 1893.—Clergyman, Conemaugh, Pa.
James Ernest Stokes, M. D. Univ. of Md. 1892.—Physician, Salisbury, N. C.
Isaac Lobe Straus, LL. B. Univ. of Md. 1892.—Atty. at Law, Balt.
*Charles Snowden Watts, LL. B. Univ. of Md. 1893. **May* 26, 1906.
William Wallace Whitelock, Ph. D. Munich 1892.—New York.
William Whitridge.—Baltimore.
Adolph Grant Wolf.—Atty. at Law, Washington.
Frank Alfred Wolff, Jr., (F), Ph. D. 1893.—Prof. George Washington Univ.; Physicist, Bureau of Standards, Wash.
James Homer Wright, M. D. Univ. of Md. 1892; Harvard (A. M. 1894; Hon. D. Sc. 1905); Fellow Univ. of Pa. 1892-93.—Instr. Pathol. Harvard; Chief Pathologist, Mass. Gen. Hosp., Boston.
Rev. Oscar Woodward Zeigler, Princeton Theol. Sem. 1893; A. M. Princeton 1894.—Clergyman, Perryman, Md.
Inazo Nitobe (Ota), (*extra ordinem*) Ph. D. Halle 1890.—Prof. Econ. Univ. of Kyoto, Japan. (37)

1891

Michael Alexander Agelasto, A. M. Columbia 1893.—Norfolk, Va.
*Delano Ames, M. D. Univ. of Md. 1892. **March* 10, 1899.
Thomas Stockham Baker (F), Ph. D. 1895. — Lecturer, German; Prof. Mod. Lang. Tome Inst., Port Deposit, Md.
Randolph Barton, Jr., LL. B. Univ. of Md. 1893.—Atty. at Law, Balt.; Prof. Balt. Law School.
Daniel Base, Ph. D. 1895.—Assoc. Prof. Chem. Md. Coll. of Pharmacy and Coll. of P. and S., Balt.
William F. Bissing, M. E. Ohio State Univ. 1893.—Patent Atty. N. Y.
Rev. Frederick Foye Briggs, Crozer Theol. Sem.—Clergyman, Wilmington, Del.
Shellman Baer Brown, Profic. in Elec. 1893.—Civil Engineer, Annapolis, Md.
Thomas Morris Brown. — Elec. Engineer, Cleveland, O.
Sydney Hand Browne, Profic. in Elec. 1893.—Elec. Engineer, Boston.
Henry Andrews Bumstead, Ph. D. Yale 1897.—Prof. Physics and Director, Sloane Lab. Yale.
Frank Kenneth Cameron, Ph. D. 1894; Fellow and Asst. Cornell 1894-95, 1897-98; Asst. Prof. Catholic Univ. 1895-97.—Scientist, Bureau of Soils, Agric. Dept., Wash.
Malcolm John Cameron, A. M. St. Francis Xavier (N. Y.) 1892; LL. B. and A. M. Columbia 1894.—Atty. at Law. N. Y.
George Carey.—New York.
Rev. Neilson Poe Carey, S. T. B. Gen. Theol Sem. N. Y. 1897.—Clergyman, Norwich, Conn.
Abraham Cohen, (F), Ph. D. 1894.—Assoc. Mathematics.
Harry Webster Cooke.—Atty. at Law, Balt.
Arthur Aaron Dembitz.—Instr. Jewish History Gratz Coll., Phila.
Augustus Kountze Detwiler, M. D. Univ. of Pa. 1894.—Physician, Omaha, Neb.
George W. Dobbin, M. D. Univ. of Md. 1894; Asst. and Assoc. 1895-1901.—Physician, Balt; Prof. Obstetrics, Coll. of Phys. and Surg.
William Francis Gallaway (F), Ph. D. 1896.—Prin. Chatham Acad. Savannah, Ga.
George Henry Heitmuller, M. D. Univ. of Pa. 1894. — Physician, Wash.
Philip Hanson Hiss, Jr., Columbia (M. D. 1895; Ph. D.). — Physician, N. Y.; Adj. Prof. Bacteriol, Columbia.
Jacob H. Hollander (F), Ph. D. 1894; Treas. Porto Rico 1900-01; Special Commr. to Santo Domingo 1905.—Prof. Pol. Econ.
Charles McHenry Howard, LL. B. Univ. of Md. 1893.—Atty. at Law, Balt.
Reid Hunt (F), Ph. D. 1896; Assoc. and Assoc. Prof. 1898-03; M. D. P. and S. (Balt.) 1896; Tutor, Columbia 1896-98. — Pharmacologist, Bureau of Public Health, Washington.

Charles William Leverett Johnson (F), Ph. D. 1896; Instr. Yale 1897-1900, Princeton 1900-03.—Baltimore.
Henry Webster Keating.—Head Master, St. James School, Md.
*William Knower, LL. B. Univ. of Md. 1893. **Deeember 27*, 1894.
George Lefevre (F), Ph. D. 1896; Bruce Fellow 1895-97; Asst. 1897-98.—Prof. Zool. Univ. of Mo. Columbia.
George Milton Linthicum, M. D. P. and S. (Balt.) 1893.—Physician, Balt.; Prof. Histol. etc. Md. Med. Coll.
Hugh Sisson Magruder, S. B. Columbia 1898.—Architect, Balt.
Arthur William McDougall. — Gen. Sec. Assoc. Charities, Orange, N. J.
Rev. Whitford L. McDowell.—Clergyman, Balt.
James Farnandis Mitchell, M. D. 1897; Instr. Surg. 1900-02.—Surgeon, Washington; Prof. Surg. Path. George Washington Univ.
Archibald Campbell Murray.—Baltimore.
Charles Fairbank Painter, Harvard (M. D. 1895; Asst. 1897-99).—Physician, Boston; Asst. Prof. Orthopedic Surg. Tufts Med. Coll.
Alfred Wilmot Pleasants. — Baltimore.
Alfred Magill Randolph, Jr. Profic. in Elec. 1895.—Elec. Engineer, Manchester, Eng.
William Ferdinand Rittler.—Second Lieut. U. S. A. Monterey, Cal.
Charles James Search, M. D. Univ. of Wooster 1892.—Physician Brooklyn.
Alfred Jenkins Shriver, LL. B. Univ. of Md. 1893; A. M. Loyola 1894.—Atty. at Law, Balt.; Sec. Gen. Alumni Assoc.
Rev. James Lawrenson Smiley.—Clergyman, Annapolis, Md.
Samuel King Smith, LL. B. Univ. of Md. 1893.—Atty. at Law, Balt.
Rev. Daniel Gurden Stevens, Jr. (F), Ph. D. 1894; B. D. Crozer Theol. Sem. 1897. — Clergyman, Bryn Mawr, Pa.
Charles Morton Stewart, Jr.—Baltimore.
William Stuart Symington, Jr. Ph. D. 1895; Instr. and Assoc. Prof. Stanford 1893-95; Prof. Romance Lang. Amherst 1895-1903.—Atty. at Law, Balt.
Matthew Moller Johnston Vea.—Stoughton, Wis.
Rev. Edward Louis Watson.—Clergyman, Balt.
Charles Joseph West.
Charles Francis Woods, Jr. Ph. D. 1897; Prof. Woman's Coll. Richmond 1897-99; Acting Prof. Swarthmore 1899-1900; Pa. Coll. 1900-02; Univ. of Colo. 1903-04.—Instr. Mod. Lang. Lehigh, S. Bethlehem, Pa. (51)

1892

Harry Adler, M. D. Univ. of Md. 1895.—Physician, Balt.
Newton Diehl Baker, Jr. LL. B. Wash. and Lee 1894.—Atty. at Law and City Solicitor, Cleveland; Prof. Baldwin Univ., O.
Charles Gambrill Baldwin, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.
Edwin Bernhard Behrend, M. D. Georgetown 1894.— Physician, Wash.; Prof. Pathol. Georgetown Univ.
Rev. Lunsford Emory Bennett, B. D. Drew Theol. Sem. 1894.—Clergyman, New Windsor, Md.
Arthur Fisher Bentley, (F), Ph. D. 1895.—Chicago.
George Edward Boynton. — Instr. Hist. etc. High School, Brooklyn.
Thomas Richardson Brown, M. D. 1897. — Physician, Balt.; Assoc. Prof. Coll. of P. and S.; Asst. Physician; Assoc. Medicine.
Alfred Cookman Bryan, Ph. D. 1896; Instr. Wash. High School, 1896-02, Brooklyn Polytech. Prep. Sch. 1902-04.—Instr. Hist. N. Y. School of Commerce.
Charles Weathers Bump.—News Editor *Baltimore News*.
William Calvin Chesnut, LL. B. Univ. of Md. 1894.—Atty. at Law, Balt.
John Edwin Davis, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.
Henry Haywood Glassie.—Atty. at Law, Washington.
Leon Emanuel Greenbaum, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.
James Wesley Harvey, Jr. LL. B. Univ. of Md. 1893.—Baltimore.
William August Haussmann, (F), Ph. D. 1895.—Instr. German, Central High Sch., Phila.
Jose Lewis Hirsh, M. D. Univ. of Md. 1895.—Physician, Balt.; Demonstr. Univ. of Md.
Morris James.—Class Instr. High School, Berkeley, Cal.
Hugh Judge Jewett, LL. B. Univ. of Md. 1894.—Atty. at Law, Balt.
Theodore Woolsey Johnson, M. E. Stevens Inst. 1896.—Prof. Mech. Eng. U. S. Naval Acad.
John Holladay Latane, Ph. D. 1895, Shaw Lecturer 1898-99; Prof. Randolph-Macon Woman's Coll. 1898-1902.—Prof. Hist. Wash. and Lee, Lexington, Va.
Edward Jaquelin L'Engle.—Atty. at Law, Jacksonville, Fla.
Earl Perkins Lothrop, M. D. Niagara Univ. 1894.—Physician, Buffalo.
Charles Whitney Mixter, Harvard (A. M. 1893, Ph. D. 1897, Asst. 1896-98, Instr. 1902-03).—Prof. Commerce and Econ. Univ. of Vt., Burlington.

Walter Alexander Montgomery, Ph. D. 1899; Instr. Univ. of Ark. 1899-1900; Acting. Prof. Miss. Univ. 1900-01.—Prof. Greek and Latin, William and Mary Coll., Va.
James Flack Norris (F), Ph. D. 1895; Instr. and Asst. Prof. Mass. Inst. Tech. 1895-04.—Prof. Chem. Simmons Coll., Boston.
Thomas Dobbin Penniman, Ph. D. 1898.—Elec. Eng. Balt.
Charles William Peppler (F), Ph. D. 1898.—Prof. Greek, Emory Coll. Oxford, Ga.
Albert Moore Reese, Ph. D. 1900; Prof. Allegheny 1901-02. — Assoc. Prof. Histol, Syracuse Univ. N. Y.
William Miller Roberts, M. D. Univ. of Md. 1897.—Surg. U. S. A. Balt.
Abram Barr Snively, M. D. Univ. of Pa. 1895.—Physician, Waynesboro, Pa.
John Sargent Stearns, M. D. Georgetown 1894.—Physician, Wash.
Charles Daniel Steenken, M. D. P. and S. (N. Y.) 1896.—Physician, Balt.
Leopold Stern.—Baltimore.
Lester Latham Stevens, LL. B. Univ. of Md. 1894.—Atty. at Law, Balt.
Gustav Lurman Stewart.—Baltimore.
*John Stewart. **September 27*, 1903.
Redmond Conyngham Stewart, LL. B. Univ. of Md. 1894.—Atty. at Law, Balt.
Arthur Bertram Turner, Ph. D. Univ. of Pa. 1902; Prof. Temple Coll. Phila. 1895-99.—Instr. Math. N. Y. City Coll.
Harold John Turner, Ph. D. 1899; Prof. West. Md. 1900-01; Asst. Tufts 1903-04. — Science Director, High Sch. Montclair, N. J.
Richard Henry Wilson, Jr. Ph. D. 1898, Instr. 1898-99.—Prof. Romance Lang. Univ. of Va. (41)

1893

John Robert Abercrombie, M. D. Univ. of Md. 1895. — Physician, Balt.; Lecturer, Woman's Med. Coll.
Adolph Hall Ahrens.—Baltimore.
Theodore George Ahrens.—Architect, Balt.
Delaware Clayton Andre, LL. B. Univ. of Md. 1894.—Atty. at Law, Balt.
Frank Andrews.—Expert, Bureau of Statistics, Dept. of Agric. Washington.
William Steenbergen Blackford.—Baltimore.
George Stewart Brown, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.; Instr. Balt. Law School.
William Lawrence Clark. — Baltimore.
Frank Angier Clarke.—Prof. Latin and Greek, Mars Hill Coll. N. C.
Edward Lowell Cox.—Atty. at Law, Parkersburg, W. Va.
Noah Ernest Dorsey (F), Ph. D. 1897, Asst. and Assoc. 1897-1901.—Physicist, Bureau of Standards, Washington.
Howard Blake Dowell, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.
John Hooper Edmondson, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.
Henry Simpson Greenleaf, M. D. Univ. of Pa. 1895.—Res. Phys. Amer. Hosp. Peking, China.
Wilmot Griffiss.—Los Angeles, Cal.
Louis Philip Hamburger, M. D. 1897. —Physician, Balt.; Asst. Physician; Assoc. Medicine.
John Hampden Hazelton.—Atty. at Law, N. Y.
Lloyd Lowndes Jackson, Jr., LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.
Millard Langfeld, M. D. 1898.—Physician and Bacteriologist, Board of Health, Omaha; Prof. Bacteriol. etc. Creighton Med. Coll.
John Leypold Griffith Lee, LL. B. Univ. of Md. 1894.—Atty. at Law, Balt.; Prof. Med. Jurisprud. Woman's Med. Coll.
Jacob Moses Moses, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.
*Clayland Mullikin, LL. B., Univ. of Md. 1893.
Charles Watson Newhall. — Math. Master, Shattuck School, Faribault, Minn.
Frederick Bogue Noyes, D. D. S. Northwestern.—Prof. Histol. Dental Dept. Northwestern Univ.; Dentist, Chicago.
Eugene Lindsay Opie (F), M. D. 1897. Asst. Instr. Assoc. Pathology, 1898-04.—Assoc. Rockefeller Inst. N. Y.; Co-Editor, *Jour. of Exper. Med.*
Charles Bingham Penrose, Jr. LL. B. Univ. of Md. 1898.—Atty. at Law, Balt.
Clement Andariese Penrose, M. D. 1897.—Physician, Balt.
Charles Carroll Schenck, Ph. D. 1901; Asst. Lehigh 1901-02; Instr. McGill, 1902-05. — Instr. Physics, Lehigh, S. Bethlehem, Pa.
Siegmund Bacharach Sonneborn.—Baltimore.
Morris Ames Soper, LL. B. Univ. of Md. 1895.—Asst. U. S. District Atty. Balt.; Instr. Balt. Law School.
Francis Edgar Sparks, Ph. D. 1896.—Atty. at Law, Balt.
Alfred Earnest Speirs.—Chicago, Ill.
Hugo Paul Thieme, Ph. D. 1897; Asst. Prof. Earlham 1897-98; Lecturer 1900-01.—Asst. Prof. French, Univ. of Mich.
Douglas Hamilton Thomas, Jr.—Architect, Balt.
Edwin Litchfield Turnbull.—Baltimore.
Rev. John Ogle Warfield, S. T. B. Episc. Theol. School, Mass. 1896.—Clergyman, Chestnut Hill, Phila.
Henry Skinner West (F), Ph. D. 1899, Instr. 1899-00; Prof. Eng.

Balt. City Coll. 1894-97 and 1900; Prin. Western High School 1900-06.—Asst. to Supt. of Schools, Balt.

Frederick Wallace Wilson.—Atty. at Law, The Dalles, Oregon.

Leo Wolfenstein.—Cleveland, O.

William Hamilton Kirk (*extra ordinem*) (F), Ph. D. 1895; Instr. Vanderbilt 1895-00.—Prof. Latin

1894

John Griffith Ames, Jr. A. M. Oxford 1899; Prof. Kenyon 1895-97.—Prof. English Illinois Coll. Jacksonville.

William Stevenson Baer, M. D. 1898.—Physician, Balt.; Clin. Asst.; Assoc. Orthopedic Surgery.

Rev. Adolph Elhart Baker, Union Theol. Sem. (Va.) 1897.

Walter Baumgarten, M. D. Wash. Univ. 1896; Asst. Harvard 1897-98; Asst. Med. 1903-04.—Physician, St. Louis; Instr. Wash. Univ.

Arthur Henry Baxter, Ph. D. 1898.—Instr. Romance Lang. Amherst.

Ernest Julius Becker, Ph. D. 1898; Prof. Woman's Coll. Richmond 1899-01.—Instr. Mod. Lang. Balt. City Coll.

Thomas Pumphrey Benson, M. D. Univ. of Md. 1898.—Physician, Pumphrey's, Md.

Thomas Fitz Patrick Cameron.—New York.

Moses S. Cohen, LL. B. Univ. of Md. 1896.—Atty. at Law, Balt.

Bernard Milton Cone, Columbia (A. M. 1896, LL. B. 1897).—Greensboro, N. C.

Charles Angelo Conrad, LL. B. Univ. of Md. 1897.—Baltimore.

Walter Cox, M. D. Balt. Univ. 1898.—Asst. Surg. U. S. Marine Hosp. Service.

Percy Millard Dawson, (F), M. D. 1898.—Assoc. Prof. Physiology.

Eli Frank, LL.B. Univ. of Md. 1896.—Atty. at Law, Balt.; Instr. Balt. Law School.

Nathaniel Edward Griffin, Ph. D. 1899; Instr. Iowa Univ. 1899-1900; Prof. Wells Coll. 1900-03; Instr. English, Univ. of Vt. 1903-04.—Preceptor, English, Princeton.

Benjamin Howell Griswold, Jr. LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.

Richard Jordan Hancock, Jr.—Atty. at Law, Atlanta, Ga.

Stephen Cloud Harry.—Math. Instr. Friends' School, Balt.

Thomas Wood Hastings, M. D. 1898.—Physician, N. Y.; Instr. Clin. Pathol. Cornell.

Rev. Conrad Augustine Hauser, Lancaster Theol. Sem. 1897.—Clergyman, Cumberland, Md.

Herman Frederick Krafft, LL. B. Columbia 1898.—English Master, St. George's School, Newport.

Harry Taylor Marshall (F), M. D. 1898.—Chief Med. Clinic; Instr. Pediatrics; Physician, Balt

George Stevens Maynard, Profic. in Elec. 1896.—Gen. Elec. Co. Schenectady.

Louis Wardlaw Miles (F), M. D. Univ. of Md. 1897; Ph. D. 1902.—Preceptor, English, Princeton.

William Albert Nitze, (F), Ph. D. 1899; Lecturer and Tutor, Columbia 1899-03; Prof. Romance Lang. Amherst.

James Piper, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.

John Eugene Howard Post.—French Master, Country School for Boys, Balt.

John Hurst Purnell.—Baltimore.

Milton Reizenstein, Ph. D. 1897.—Supt. Hebrew Educ. Soc. Brooklyn, N. Y.

Frank Roy Rutter, (F), Ph. D. 1897.—Dept. of Agric. Wash.

Simon H. Stein, LL. B. Univ. of Md. 1896.—Baltimore.

Emerson H. Strickler.—Gen. Chem. Co. N. Y.

Joseph Pembroke Thom, Jr. LL. B. Univ. of Md. 1901.—Atty. at Law, Balt.

Rev. George Harvey Trull, Princeton Theol. Sem. 1897.—Clergyman, Wilmington, Del.

Clinton Gambrill Tudor.—Civil Engr. Peoria, Ill.

Malcolm Van Vechten Tyson, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.

Horace Scudder Uhler, (F), Ph. D. 1905; Instr. Northwestern 1896-97.—Instr. Physics Yale.

George Talbot Whitfield.—Atty. at Law, Tallahassee, Fla.

Pere Lethrbury Wickes, Jr.

*Chester Clark Wood. **September* 11, 1895.

James Curtis Ballagh, (*extra ordinem*), Ph. D. 1895; LL. D. Univ. of Ala. 1906.—Assoc. Prof. American Hist. (41)

1895

Wilbur Withrow Ballagh.—Tenafly, N. J.

William Sherman Bansemer, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.

Harry Bissing, Profic. in Elec. 1895.—Elec. Engr. N. Y.

Hanson Briscoe Black.—Captain, U. S. Artillery, Benicia Barracks, San Francisco.

Rev. Charles Henry Hardin Branch, Princeton Theol. Sem. 1898.—Clergyman, Lexington, Ky.

George Dobbin Brown (F),, Ph. D. 1901; Acting Prof. Univ. of Vt. 1901-02.—Instr. English, Princeton.

Lawrason Brown, M. D. 1900.—Physician, Saranac Lake, N. Y.

Humphrey Warren Buckler, M. D. 1899, Asst. Obstetrics 1900-06.—Physician, Balt.; Asst. Physician; Prof. Med. Woman's Med. Coll.

William Mack Chowning, S. B. Knox 1894; M. D. Mich. 1901.—Physician, Minneapolis; Demonstr. Pathol. etc. Univ. of Minn.

Charles Bevan Clark, S. B. Mass. Inst. Tech. 1897.—Civil Eng. Cincinnati.

Gilbert Abraham Coblens.—Baltimore.

Reuben Carll Foster, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.; Treas. Gen. Alumni Assoc.

Frank Taylor Fulton, S. B. Knox 1894; M. D. 1899.—Pathologist and Director Pathol. Lab. R. I. Hosp.; Instr. Brown; Psysician, Providence.

*James Daton Gallagher, M. D. 1899. **April* 1, 1901.

George Herbert Gray. — Architect, N. Y.

Milton Daniel Greenbaum, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.

Roland Bridendall Harvey, LL. B. Univ. of Md. 1896.—Atty. at Law, Balt.

George Oscar James (F), Ph. D. 1899; Instr. Univ. of Utah 1896-97; Lecturer, Assoc. Prof. Columbian 1900-02; Instr. Lehigh 1902-03.—Instr. Math. Washington Univ. St. Louis.

Stuart Symington Janney, LL. B. Univ. of Md. 1901.—Atty. at Law; Instr. Balt. Law School.

Marcus Kaufman, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.

Charles Alexander Kilvert.—Providence, R. I.

Ernest Pendleton Magruder, Columbian (A. M. 1900, M. D. 1902).—Physician, Wash.

*Edward Spiller Oliver, M. D. 1900. **March* 18, 1902.

John Donaldson Parker, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.

David Sterrett Pindell, Profic. in Elec. 1897.—Elec. Engr. Sault Ste. Marie, Mich.

Jacob Hall Pleasants, Jr. M. D. 1899.—Physician, Balt.; Assoc. Prof. Coll. of P. and S.; Asst. Physician; Instr. Medicine.

Rev. Gustav Rudolph Poetter, Lancaster Theol. Sem. 1898.—Clergyman, Balt.

John Andrew Robinson, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.

Sylvan Rosenheim, M. D. 1899.—Physician, Balt.; Clin. Asst.; Asst. Laryngology.

Charles Albert Savage, Ph. D. 1903.—Asst. Prof. Greek and Latin, Univ. of Minn. Minneapolis.

Edgar Randolph Strobel, M. D. 1899.—Physician, Balt.; Clin. Prof. Balt. Med. Coll.; Clin. Asst.; Instr. Dermatology.

Robert McIlvaine Torrence.—Washington, Pa.

Campbell Easter Waters, Ph. D. 1899; Prof. Conn. Agric. 1900-01; Asst. 1901-04.—Chemist, Bureau of Standards, Wash.

Arthur Charles Watkins, B. D. Union Theol. Sem. N. Y. 1900.—Manager, Univ. Press, Sewanee, Tenn.

Henry Abel Whittaker.—Atty. at Law, Belair, Md.

William Whitridge Williams, M. D. 1899; Asst. Prague 1900-01, Harvard 1901-03. — Asst. Pharmacol. Western Reserve Univ., Cleveland.

William Wingert, LL. B. Univ. of Md. 1897.—Atty. at Law, Hagerstown. (37)

1896

Thomas Sewell Adams (F), Ph. D. 1899.—Asst. Prof. Econ. Univ. of Wis. Madison.

Cornelius Beatty, Prof. Des Moines Coll. 1899-02; Instr. Chem. Grant Univ. Tenn. 1902-06.—Baltimore.

Augustus Cæsar Binswanger.—Atty. at Law, Balt.

Charles Edward Caspari (F), Ph. D. 1900; Asst. Columbia 1900-01.—Prof. Chem. St. Louis Coll. of Pharmacy.

Clarence Carroll Clark, Ph. D. Yale 1903.—Assoc. English, Bryn Mawr.

Rev. Frank Wilbur Collier, S. T. B. Boston Univ. 1899.—Clergyman, Malden, Mass.

Rev. Charles Edward Diehl, Princeton Theol. Sem. 1900; A. M. Princeton 1900. — Clergyman, Crescent Springs, Ky.

William Reginald Dorsey.—Atty. at Law, Balt.

George Dyre Eldridge, Jr. LL. B. Columbia 1900.—New York.

Rev. Albert Dale Gantz, Princeton Theol. Sem. 1899; A. M. Princeton 1899.—Clergyman, Walla Walla, Wash.

Alfred Dearing Harden.—Atty. at Law, Savannah, Ga.

*William Faithful Hendrickson, M. D. 1900; Asst. Demonstr. Pathol. Univ. of Pa. 1900-02. **August* 21, 1902.

*Frank Holmes Johnson. **June* 20, 1898.

Charles Harwood Knight.—Baltimore.

William Kurrelmeyer (F), Ph. D. 1899; Prof. Franklin and Marshall 1899-00.—Instr. German.

Robert Lacy, S. B. Mass. Inst. Tech. 1898.—Civil Engr. Balt.

Henry Lanahan, Prof. Physics. Md. Agric. 1896-1906.—Asst. Examiner, U. S. Patent Office, Wash.

Monroe Luchs.—Washington, D. C.

Arthur Webster Machen, Jr. LL. B. Harvard 1899.—Atty. at Law, Balt.; Instr. Balt. Law School.

Richard Elliott Marine.—Asst. Examiner U. S. Patent Office, Wash.

Henry Pickering Parker, M. D. 1901. —Physician, Washington; Asst. Emergency Hosp.
Albert Cabell Ritchie, LL. B. Univ. of Md. 1898.—Atty. at Law. Balt.; Asst. City Solicitor.
Louis Rosenbaum, LL. B. Univ. of Md. 1898.—Atty. at Law, Balt.
Glanville Yelsley Rusk, M. D. 1900; Asst. Psychiatry 1902-03. — Pathol. Inst. Ward's Island, N. Y.
Laurence Frederick Schmeckebier (F), Ph. D. 1899.—U. S. Geol. Survey, Wash.
James Eustace Shaw (F), Ph. D. 1900.—Assoc. Italian.
St. George Leakin Sioussat, Ph. D. 1899; Instr. Smith Coll. 1899-04.—Prof. Hist. Univ. of the South, Sewanee, Tenn.
Alexander Raymond Stevens, M. D. 1903.—Physician, Balt.
Rev. John Wesley Richardson Sumwalt.—Clergyman, Balt.
John Hanson Thomas, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.
Charles Burnet Torsch.—Baltimore.
James McConkey Trippe, LL. B. Univ. of Md. 1898.—Atty. at Law, Balt.
Charles William Waidner (F), Profic. in Elec. 1892, Ph. D. 1898, Asst. 1898-99; Instr. Williams 1899-1901. —Physicist, Bureau of Standards, Wash.
William Fisher Wallis.—Aid, U. S. Coast and Geodetic Survey.
Frederick Howard Warfield, LL. B. Univ. of Md. 1899.—Atty. at Law, Balt.
Rev. John Armistead Welbourn, A. M. Columbian 1898; Va. Theol. Sem. 1899. — Missionary, Tokyo, Japan.
John Montgomery West, M. D. 1901. (37)

1897

Herbert Henry Adams, C. E. Mass. Inst. Tech. 1899.—Civil Engr. St. Thomas, Ont.
Frederick Henry Baetjer, M. D. 1901. —Assoc. Surgery.
Robert Ernest Belknap.—Pa. Steel Co. Chicago.
Frank Ringgold Blake (F), Ph. D. 1902.—Assoc. Oriental Lang.
Edward Lingan Bowlus, M. D. Univ. of Md. 1906; Prof. Mt. Union Coll. 1902; Instr. Biol. Monmouth Coll. 1902-03.—Physician, Baltimore.
Charles Keyser Edmunds (F), Ph. D. 1903; Acting Prof. Univ. of Utah, 1898-99.—Prof. Physics. Christian Coll. Canton, China.
Howard Main Gassman, E. E. Lehigh 1901; Instr. Ursinus 1897-99. —Elec. Engr. Ampere, N. J.
Neil Duncan Graham, M. D. 1901.—Physician, Wash.; Asst. Prof. Obstetrics, etc. Howard Univ.
Charles Saloman Guggenheimer. — Atty. at Law, N. Y.
Frank Arnold Hancock.—Chemist, Balt.
Landry Harwood, LL. B. Kansas City Law School 1899.—Atty. at Law, Kansas City.
Eugene de Forest Heald, Jr.—Student Gen. Theol. Sem. N. Y.
Michael Ernest Jenkins, LL. B. Harvard 1900.—Atty. at Law, Balt.
Harry M. Kaufman, M. D. 1901.—Physician, Wash.; Demonstr. Pathol, George Washington Univ.
Rev. Frank Albert Killmon.—Clergyman, Balt.
Rev. John Edgar Knipp, Union Biblical Sem. O. 1900; Instr. Doshisha Kyoto, 1900-03.—Dayton, O.
Theodore Morgan Leary.—New York.
William Strobel Levy.—Atty. at Law, Balt.
Warfield Theobald Longcope, M. D. 1901.—Director Ayer Clin. Lab. Pa. Hosp. Phila.
Charles Edward Lyon, Ph. D. 1904; Instr. Williams 1904-05. — Instr. Mod. Lang. Princeton.
Rev. Henry Clay McComas, Jr. A. M. Columbia 1898; Union Theol. Sem. N. Y. 1900.—Clergyman, Cadillac, Mich.
George Lovic Pierce Radcliffe, Ph. D. 1900; LL. B. Univ. of Md. 1903; Prin. Cambridge (Md.) High Sch. 1900-01; Instr. Hist. Balt. City Coll. 1901-02.—Atty. at Law, Balt.
Herbert Meredith Reese (F), Ph. D. 1900; Asst. Lick Observ. 1900-03, Yerkes Observ. 1903-04. — Instr. Physics, Univ. of Mo. Columbia.
Alexander Henry Schulz, Jr.—Balt.
Rev. John Frederick Schunck, B. D. West Phila. Divinity School 1901. —Clergyman, Weldon, Pa.
*Henry Plant Shuter. **October* 17, 1898.
Josiah Morris Siemons, M. D. 1901.—Physician, Balt.; Assoc. Obstetrics.
Samuel Hamilton Spragins, A. M. Yale 1899.—Supt. of Schools Helena, Ark.
Albert Louis Steinfeld, M. D. 1901.—Prof. Toledo Med. Coll. 1903-04.—Physician, Toledo, O.
James McIlhany Thomson.—Editor, *The Item*, New Orleans, La.
Albert James Underhill, M. D. 1901. —Physician, Balt.; Clin. Asst. Surg.
Louis Marshall Warfield, M. D. 1901. —Physician, St. Louis; Instr. Wash. Univ.
George William Warren, M. D. 1901. —Physician, N. Y.
David Emrich Weglein, Instr. Balt. City Coll. 1902-06.—Princ. Western High School, Balt.
Dudley Williams, M. D. 1902.—Physician, Balt.; Asst. Physician.
Henry Merryman Wilson. — Prof. Textiles, A. and M. Coll. of N. C. Raleigh.
Charles Knickerbacker Winne, Jr. M. D. 1901.—Physician, Albany; Instr. Albany Med. Coll. (37)

1898

Zadok Marshall Ballard. — Editor, *The Item*, New Orleans, La.
Odin Baltimore Bestor.—Engineer Ridge Top, Tenn.
Duncan Kenner Brent, LL. B. Univ. of Md. 1900.—Atty. at Law, Balt.
Bennet Bernard Browne, Jr. M. D. 1902.—Physician, Balt.; Clin. Asst. Ophthalmol.
George Miltenberger Clarke.—Atty. at Law, N. Y.
Henry Wireman Cook, M. D. 1902.—Physician, Minneapolis, Minn.
Rev. Albert Charles Dieffenbach, Lancaster Theol. Sem. 1901.—Clergyman, Allegheny, Pa.; Ed. of "Religion," Pittsburg *Gazette-Times*.
Gustavus Charles Dohme, M. D. 1902.—Physician, Balt.; Assoc. Prof. Chem. Md. Med. Coll.
Ralph Duffy, M. D. 1902.—Pathologist, West. Pa. Hosp.; Physician, Pittsburg.
James F. Ferguson.—Baltimore.
John Somerville Fischer, M. D. 1903.—Chief Med. Clinic, St. Joseph's Hosp. Disp.; Physician, Balt.
Thomas Fitzgerald, Jr.—Elec. Engr. Lexington, Ky.
Lawrence Hall Fowler, S. B. Columbia 1902.—Architect, Balt.
William Willoughby Francis, M. D. 1902, Asst. Pathol. 1904-05.—Physician, Montreal.
William Cazenove Gardner.—Dixon, Wyoming.
Alexander Gordon, Jr. LL. B. Univ. of Md. 1900.—Atty. at Law, Balt.
William Browne Hammond, Jr. LL. B. Univ. of Md. 1900.—Atty. at Law, Balt.
Philip Warner Harry, Ph. D. 1903; Instr. Univ. of Me. 1901-02; Univ. of Cincinnati 1902-05.—Instr. Romance Lang. Northwestern Univ. Evanston, Ill.
Leonard Keene Hirshberg, M. D. 1902. — Physician, Balt.; Assoc. Neurol. Coll. of P. and S.; Chief Nerve Clinic, City Hosp.
Conway Shaler Hodges.—Atty. at Law, Balt.
William Randle Hubner, LL. B. Univ. of Md. 1900.—Atty. at Law, Balt.
Robert Henry Jones.
Charles Wesley Kalb.—Catonsville, Md.
James Alfred Kennard, LL. B. Univ. of Md. 1901.—Toronto, Ont.
Louis Charles Lehr, M. D. 1902.—Physician, Washington.
Henry John Lucke, Lafayette (A. M. 1901, Instr. Math. 1900-02).—Asst. Examiner, U. S. Patent Office, Wash.
David Gregg McIntosh, Jr. LL. B. Univ. of Md. 1901.—Atty. at Law, Balt.
Frank Oldham Miller, M. D. Univ. of Md. 1902—Physician, Balt.
Raymond Durbin Miller (F), Ph. D. 1904; Instr. Univ. of Texas 1905-06.—Instr. English Syracuse Univ. N. Y.
Solomon Brenner Myers.—Baltimore.
Harold Pender, Ph. D. 1901; Instr. Physics, Syracuse Univ. 1902-03.—Elec. Engr. N. Y.
Thomas Lindley Pyle.—Pylesville, Md.
Vincent Adams Renouf.—Prof. Hist. etc. Univ. of Tientsin, China.
George Barr Scholl, M. D. 1902.—Physician, Balt.; Prof. Pathol, etc. Md. Med. Coll.
Alexander Lazear Seth, LL. B. Univ. of Md. 1901.—Atty. at Law, Balt.
Frederick Williamson Smith, C. E. Mass. Inst. Tech. 1901. — Engr. Mattoon, Ill.
Robert Marsden Smith, LL. B. Univ. of Md. 1900.—Atty. at Law, Balt.
Victor Edgeworth Smith. — New York.
Charles Miner Stearns.—Regent and Instr. English, Harvard.
Leo D. Stein.—Artist, Paris.
William Plunket Stewart.—Phila.
Albert Gad Stidman, Instr. Mod. Lang. Lehigh, 1902-04.—Baltimore.
William Ellinger Straus. — Baltimore.
Joseph Nathan Ulman, A. M. Columbia 1900.—Atty. at Law, Balt.
John Boswell Whitehead, Profic. in Elec. 1893, Ph. D. 1902.—Assoc. Prof. Elec.
Powhatan Johnson Wooldridge. — Louisville, Ky.
Jacob Forney Young.—Baltimore.
Rev. Charles Smith Lewis (*extra ordinem*), S. T. B. Gen. Theol. Sem.. (N. Y.) 1895.—Clergyman, Lafayette, Ind.

1899

James Robert Charlton Armstrong, Profic. in Elec. 1899.—Gen. Elec. Co. N. Y.
George Diuguid Davidson.—Instr. Romance Lang. Univ. of Va.
Henry Carter Downes, LL. B. Univ. of Md. 1901.—Atty. at Law, Balt.
Ferdinand Colquhoun Fisher.—Balt.
Walter Melvin Fooks.—Atty. at Law, Balt.
Eddy Burke Fosnocht.—Mod. Lang.. Master, Riverview Acad. Poughkeepsie, N. Y.
Simon Walter Frank.—Baltimore.
John Calvin French (F), Ph. D. 1905.—Instr. English.
*Charles Carter Gaddess. *June 16, 1901.
John Reed Gemmill.—Denver, Colo.
Harry Seliger Greenbaum, M. D. 1904. — Asst. Phys.; Physician, Balt.
Robert Harold Grimes, LL. B. Harvard 1902.—Atty. at Law, N. Y.

Clarence Maurice Guggenheimer.—New York.
Hugh Sisson Hanna, Ph. D. 1906.
Stephen Paul Harwood.—Atty. at Law, Balt.
Louis Wardlaw Haskell, Jr. M. D 1903. — Physician, N. Y.; House Phys. Gen. Memorial Hosp.
Talbot Dickson Jones.—Baltimore.
Leon Lewis Joyner.—Baltimore.
Karl Jungbluth, Jr.—Louisville, Ky.
John Albert Kalb. — Supervising Princ. Public Schools, Milburn, N. J.
John Hendricken King, M. D. 1906. —Voluntary Asst. Medicine.
George Wroth Knapp, Jr.—Baltimore.
Walter Marshall Krager.—Baltimore.
Herman Kurrelmeyer (F), Ph. D. 1902.—Instr. Mod. Lang. Mass. Inst. Tech.
*Joshua Levering, Jr. *August* 23, 1900.
James Morfit Mullen.—Atty. at Law, Balt.
Philip Austen Murkland, LL. B. Univ. of Md. 1901.—Chicago.
Edward Livingston Palmer, Jr. —Baltimore.
John Howard Palmer.—Baltimore.
Charles Mallory Remsen, M. D. 1904. —Physician, Balt.
Lawrence Anton Reymann.—Wheeling, W. Va.
Edward Ayrault Robinson, Jr.—Atty. at Law, Balt.
George Canby Robinson, M. D. 1903. —Res. Physician, Pa. Hosp. Phila.
William Leavell Ross.—*The Leader*, Cleveland, O.
Edwin Albert Spilman.—Baltimore.
Rene de M. Taveau.—Chemist, Washington.
Richard Henry Thomas.—Chemist, Newark, N. J.
Ottomar Siegmund Werber. (38)

1900

Rev. Roger Brooke Taney Anderson, S. T. B. Gen. Theol. Sem. (N. Y.) 1903.—Clergyman, West Park, N. Y.
Howard Baetjer, C. E. Mass. Inst. Tech. 1902.—Civil Engr. Pittsburg.
Christian John Beeuwkes.—Atty. at Law, Balt.
Henry Bogue.—Instr. Balt. Polytech. Inst.
Byron Noble Bouchelle.—Chesapeake City, Md.
Austin Adams Breed. — Cincinnati, O.
Charles Edward Brooks, Ph. D. 1904. —Fayetteville, N. C.
Edward Skipwith Bruce. — Baltimore.
James Luther Albert Burrell.
Rev. Lyttleton Morgan Chambers.—Clergyman, Balt.
Christopher Thompson Clark, LL. B. Columbian 1903.—Atty. at Law, Washington.
McQuilkin DeGrange, LL. B. Catholic Univ. 1903; Asst. English. Univ. of Wash. 1904-06.—Student, Columbia Univ.
John Howard Eager.—Baltimore.
Rev. John Edward Ewell, Va. Theol. Sem. 1903.—Clergyman, Hancock, Md.
Frederick Bonner Flinn.—Newark, N. J.
Frederick Foster.—Atty. at Law, Balt.
Otto Charles Glaser, Ph. D. 1904, Bruce Fellow, 1904-05.—Instr. Zool. Univ. of Mich.
Joseph David Greene.—Atlanta, Ga.
John Wheeler Griffin, LL. B. Harvard 1903.—Atty. at Law, N. Y.
Stuart Heyman.—Baltimore.
Henry Dickinson Hill, Ph. D. 1904. —Electr. Engr. N. Y. Telephone Co.
John Philip Hill, LL. B. Harvard 1903.—Atty. at Law, Balt.
Edward Pechin Hyde (F), Ph. D. 1906.—Physicist, U. S. Bureau of Standards, Wash.
Albert Keidel, M. D. 1903.—Physician, Balt.
Robert Clark Kerr.—Baltimore.
Maurice Lazenby, M. D. 1903.—Physician, Balt.; Lecturer, Woman's Med. Coll.; Assoc. Md. Med. Coll.
Donald Macy Liddell. — Chemist, Chrome, N. J.
Norvin Rudolf Lindheim.—Atty. at Law, N. Y.
Leonard Leopold Mackall (F).—Student in Germany.
T. Hartley Marshall.—Baltimore.
Reginald Ley McAll.—New York.
Jared Sparks Moore, Harvard (A. M. 1903, Ph. D. 1905).—Asst. Philos. Harvard.
James Girvin Peters, Grad. in Forestry, Yale 1903.—U. S. Forestry Service, Wash.
Tobias Noel DeLoughmoe Purcell.
Robert Bruce Roulston (F), Ph. D. 1906.—German Master, Country School for Boys, Balt.
Frank Peyton Rous, M. D. 1905; House Officer 1905-06.—Pathologist, Univ. of Mich. Ann Arbor.
James Edward Routh, Ph. D. 1905.—Asst. English, Univ. of Texas, Austin.
Alexander Van Rensselaer Schermerhorn.—Atty. at Law, Balt.
Wilson Levering Smith.—Draftsman, Balt.
Miltenberger Neale Smull.—Librarian, Balt.
James Carlyle Stevens.—Norfolk, Va.
George Lane Taneyhill, Jr. M. D. 1904. — Physician, Balt.; Asst. Medicine; Asst. Physician.

Bayard Turnbull.—Architect, Balt.
Miller Wingert.—Hagerstown, Md.
Nathan Winslow, M. D. Univ. of Md. 1901.—Physician, Balt.
Arthur Wright. — Asst. Examiner, U. S. Patent Office, Washington.
(46)

1901

Ronald Taylor Abercrombie, M. D. 1905.—Physician, Balt.; Director of Gymnasium.
Hollis Roswell Baker.—Aberdeen, Md.
Leon Kahn Baldauf, M. D. 1905.—Instr. Bacteriol. Albany Med. Coll.
John Martin Bandel, Auburn Theol. Sem. 1904.—Civil Engr., Louisville & Nashville R. R.
Bertram Moses Bernheim, M. D. 1905.—Physician, Louisville, Ky.
Andrew Reid Bird, Presb. Theol. Sem. Richmond 1905.—Clergyman, Laurel, Md.
John Manning Booker. — Grad. Student.
Norman Boyer.—New York.
John Straith Briscoe.—Baltimore.
Ernest Bonsall Brown.—Dept. of Agric. Wash.
*Alfred William Bruton. **May* 1, 1903.
Mortimer Bye.—Chemist, Cincinnati.
Harry Stephenson Byrne, Omaha Law Sch. (LL. B. 1905, Instr. 1906).—Atty. at Law, Omaha, Neb.; State Agent Fidelity Co. of Balt.
George Cator, Ph. D. 1902.—Prest. American Bonding Co. Balt.
Kosciusko Walker Constantine, M. D. 1905—Student, Vienna.
Frederick Richard Dapprich.—Instr. German, Purdue, Lafayette, Ind.
Robert Sergeant Duck.—Baltimore.
Aaron Ember (F), Ph. D. 1904, Rayner Fellow 1904-07.—Instr. Hebrew.
Leyburn Grear Fishach. — Treas. Dept. Wash.
John Frederick Gray.
William Hall Harris, Jr.—Atty. at Law, Balt.
Ernest Cummins Hatch.—Atty. at Law, Towson, Md.
Lee Milton Hollander (F), Ph. D. 1905.
Walter Isaac Kohn.—Louisville, Ky.
Eugene Joseph Leopold, M. D. 1905. —Student, Berlin.
Edward Breckenridge Lowndes.—Baltimore.
John Gresham Machen, Princeton Theol. Sem. 1905, and Instr. in New Test. Lit. and Greek.
Robert Brooks Morse, S. B. Mass. Inst. Tech. 1904. — Draftsman, Sewerage Commission, Balt.
Rev. Edward Richards Noble, Gen. Theol. Sem. (N. Y.) 1904.—Clergyman, Phila.
George Edward Rehberger, M. D. 1905.—Physician, Balt.
John Adelbert Riggins, LL. B. Univ. of Pa. 1904.—Atty. at Law, Camden, N. J.
Forrest Shreve (F), Ph. D. 1905.—Bruce Fellow 1905-06. — Assoc. Prof. Botany, Woman's Coll. Balt.
Rev. William Payne Shriver, Union Theol. Sem. (N. Y.) 1904.—Clergyman, N. Y.
Guy Everett Snavely.—Instr. French Allegheny Coll. Meadville, Pa.
Lindsay Coleman Spencer.—Atty. at Law, Balt.
Julian Samuel Stein.—Baltimore.
*Otto Albert Struth. **September* 1, 1902.
Walter B. Swindell, Jr.—Baltimore.
James Edward Tyler, Jr.—Atty. at Law, Balt.
Henry Michael Warner, M. E. Univ. of Wis. 1903.
August Price West, Ph. D. 1905.—Chemist, Balt.
Horace Slingluff Whitman.—Atty. at Law, Balt.
Marcus Wilton Wolf, Jr.—Atty. at Law, Balt.
(43)

1902

Edward Bailey Beasley, M. D. 1906. —Res. Phys. Leigh Hosp. Norfolk, Va.
Henry Beeuwkes, M. D. 1906.—Interne, Hudson St. Hosp. N. Y.
Elbridge Palmer Bernheim.—Louisville, Ky.
William Jenkins Buttner.—Md. Steel Co. Sparrows Pt.
John Gorsuch Campbell.—Instr. St. James School, Md.
Robert Treat Crane (F).—Grad. Student.
Albert Goucher Dew.—Univ. Scholar.
Ross Miles Diggs.—Field Sec. Md. Library Commission.
Joseph Townsend England.—Atty. at Law, Balt.
Horace Clendenin Gillespie.—Chemist, Camden, N. J.
John Sharshall Grasty.—Grad. Student.
Frederick Lee Guggenheimer.—Atty. at Law, N. Y.
Rev. John Phelps Hand.—Clergyman, Balt.
Henry Honeyman Hazen, M. D. 1906.—Clin. Asst. Phipps. Disp.; Res. Surg. Good Samaritan Hosp. Balt.
Louis Foltat Hildebrandt. — Grad. Student.
William Bryant Hill.
William Edwin Hoffman, Jr. Ph. D. 1905.—Chemist, Balt.
William Kirk (F), Ph. D. 1905.—Instr. Econ. Brown Univ. Providence.
William Howard Koppelman.
David Israel Macht, M. D. 1906.—Student, Berlin.
Ogle Marbury.—Atty. at Law, Balt.

Charles Markell, Jr.—Atty. at Law, Balt.
Bartgis McGlone, Instr. Ill. Wesleyan, 1903-05.—Grad. Student.
Robert Emory Moore, M. D. 1906.—Interne, Kings Co. Hosp. Brooklyn.
Lyman Clements Murphy.
Charles Augustus Myers. — Fellow, English.
John Norris Myers, Jr.
Marbury Bladen Ogle. — Fellow, Latin.
Aubrey Pearre, Jr., LL. B. Harvard 1905.—Atty. at Law, Balt.
Isaac Rosenbaum Pels, M. D. 1906.—Interne, Jewish Hosp. Phila.
Thomas Coulson Pinkerton, S. B. Mass. Inst. Tech. 1905. — Chem. Engr. Balt.
Milton Williams Powell.
Benjamin Swayne Putts, M. D. 1906.—Asst. Res. Pathologist, Allegheny Gen. Hosp. Pa.
Charles Frederick Ranft. — Grad. Student.
Walter Ford Reynolds.—Asst. U. S. Coast Survey, Wash.
Jacob Abner Sayler, Jr. LL. B. Harvard 1905.—Atty. at Law, Balt.
William Christian Schmeisser.—Baltimore.
Ralph Carlton Sharretts.—Atty. at Law, Balt.
Lloyd Parker Shippen.—Med. Student, Univ. of Pa.
Gibson Emerson Sisco.—Fort Wayne, Ind.
John Aydelotte Slemons. — Baltimore.
Sidney Smith, LL. B. Harvard 1905.
Harvey Brinton Stone, M. D. 1906.—House Officer.
Henry Philip Straus, Ph. D. 1905.—Chemist, Avondale, N. J.
Solomon Strouse, M. D. 1906.—House Officer.
Samuel Wolman, M. D. 1906.—Physician, Balt.; Asst. Med. (Clin. Lab.).
Peregrine Wroth, Jr. M. D. 1906.—Interne, Union Prot. Infirmary, Balt.

1903

John Armstrong Addison, Sec. Y. M. C. A. 1904-06.—Sec. Student Y. M. C. A., N. Y.
Louis Adelsdorf.—Baltimore.
William Wetherall Ammen, S. B. Mass. Inst. Tech. 1905.—Asst. Examiner, U. S. Patent Office.
Harry Norman Baetjer, LL. B. Univ. of Md. 1905.—Atty. at Law, Balt.
Arthur Newsom Baldauf.—Henderson, Ky.
Edgar Sutro Bamberger.—Baltimore.
William Selman Bird.—New York.
Frederick Conrad Blanck.—Grad. Student.
Solomon Blum.—Grad. Student.
James Wallace Bryan.—Univ. Scholar.
Jenks Cameron. — Teacher, Colfax, Wash.
James Bayard Gregg Custis, Jr., M. D. Homeopath. Med. Coll. N. Y. 1907.—Interne, Flower Hosp. N. Y.
Alphonse Raymond Vivian Dochez.—Med. Student.
Theodore Wesley Glocker.—Fellow, Polit. Econ.
John Alan Haughton.—Baltimore.
Franklin Hazlehurst, Jr.—Med. Student.
Moses Walton Hendry.—Class Instr. High School, Camden, N. J.
John Coffey Hildt, Ph. D. 1906.—Instr. Hist. Smith Coll. Northampton, Mass.
Eben Charles Hill.—Med. Student.
Richard Curzon Hoffman, Jr.—Baltimore.
Stuart Cator Hopper.—Baltimore.
Robert Sampson Lanier.—New York.
Charles Alexander Marshall.—Baltimore.
Rev. Benjamin Wilcher Meeks.—Clergyman, Balt.
McHardy Mower.—Student of Law, S. C. Coll. Columbia.
William Urwick Murkland.—Cerro de Pasco, Peru.
John Marbury Nelson, Jr.—Baltimore.
Rev. Robert James Nicholson.
Robinson Cator Pagon.—Baltimore.
William Turner Parsons.—Med. Student.
Eugene Leo Pessagno. — Med. Student.
Harry Ward Plaggemeyer.—Med. Student.
Charles Woodward Riley.—Med. Student.
Charles Albert Robinson, Jr.. M. E. Cornell 1906.—N. Y. Telephone Co.
Edgar Poe Sandrock.—Med. Student.
Joseph Tate Smith, Jr.—Med. Student.
Wilton Snowden, Jr.—Atty. at Law, Balt.
Philip Rayner Straus.—Baltimore.
George Drayton Strayer, Columbia (Fellow 1904-05, Ph. D. 1905).—Instr. Educ. Teachers Coll. N. Y.
Charles Henry Stubenrauch.—Med. Student.
Harry King Tootle.—Student of Law, St. Joseph, Mo.
George William Townsend.—Civil Engr. Cumberland, Md.
James de Lancey Ver Planck.—Fishkill, N. Y.
Harry Augustus Warner, S. B., Princeton, 1904.—Student of Law, Balt.
Milton Charles Winternitz. — Med. Student.
Alexander Yearley, 3d. — Atty. at Law, Balt.

1904

Sidney Herman Adler.
Charles Robert Austrian.—Med. Student.
Jesse Lee Bennett.—Baltimore.
Joseph Robson Bromwell Branch.—Med. Student.
William Edmonston Crozier, Instr. Ala. Polytech. 1904-05.—Balt.
Philip Dettelbach.—Oil City, Pa.
John William Emig.—New York.
Sidney Charles Erlanger.—Baltimore.
George Andrew Foster.—Student of Law, Univ. of Pa.
Ralph Ottomar Fuerbringer.—Med. Student.
Alfred Logsdon Geiger.—Baltimore.
Josias Clerk Lee Hawkins.—Baltimore.
Harry H. Humrichhouse.—Baltimore.
William Muse Hunley.—Grad. Student.
Andrew Dickson Jones, Jr.— New York.
Walter William Kohn.—Baltimore.
Wilbur Leslie LeCron.—Med. Student.
Roy Stiles Licking.—New York.
Henry Loane Lloyd.—Atty. at Law, Balt.
Henry Charles Ernest Louis, M. E. Cornell, 1906.—Elec. Engr. Balt.
William Howard Matthai.—Baltimore.
John McGlone, M. E. Cornell, 1906. —Fire Insur. Inspector, Boston.
Henry Clay Miller.—Baltimore.
Harry Edward Muhly.—Baltimore.
Clarence Alfred Neal.—Baltimore.
Reginald Stevenson Opie.—Baltimore.
Frank Gibson Porter.—Med. Student.
Merrill Rosenfeld.—Atty. at Law, Baltimore.
Gerald Benjamin Rosenheim.—Law Student, Columbia.
Charles Henry Saylor. — Fellow, Greek.
Samuel Hyman Schapiro.—Manila, P. I.
John Bushrod Schwatka.—Med. Student.
Frank Stollenwerck, Jr.—Law Student, Harvard.
Lyttleton Morgan Tough, Jr.—Fort Wayne, Ind.
Leonard Griffith Wallis.—Civil Engr. Baltimore.
Newton Edward Washington Wayson.—Asst. Chem. Coll. P. and S. Milwaukee.
Luther Martin Reynolds Willis.—Atty. at Law, Balt. (37)

1905

Walter Albert Baetjer.—Med. Student.
Byron Treat Banghart. — Engr., State Highway Comm., Springfield, Ill.
James Alvin Bass.—Med. Student.
Benjamin Abram Bernstein.—Univ. Scholar.
William Graham Boyce.—Baltimore.
Riggin Buckler. — Student, Mass. Inst. Tech.
John Francis Cremen.—Grad. Student.
Walter David Eiseman.—Law Student, Univ. of Md.
Leman Edwin Goldman.—Law Student, Univ. of Md.
Rufus King Goodenow, Jr.—Baltimore.
Robertson Griswold.—Law Student, Univ. of Md.
*Hugh Asbury Hackett.—Asst. Biol., Western Univ. of Pa. 1905-06.
**November* 17, 1906.
William Harkinson Hudgins.—Law Student, Univ. of Md.
Andrew Wilmer Hull. — Student, Mass. Inst. Tech.
John Long Jackson.—Student, Va. Theol. Sem. Alexandria.
Richard Newton Jackson.—Baltimore.
Irving Henry Kohn.—Baltimore.
Thomas Poole Maynard.—Grad. Student.
Jonathan Earle Mifflin. — Jacksonville, Fla.
Edward Leyburn Moreland.—Student, Mass. Inst. Tech.
Harmon Vail Morse.—Grad. Student.
Thomas Owens. — Student, Mass. Inst. Tech.
William Watters Pagon.—Student, Mass. Inst. Tech.
Sifford Pearre.—Baltimore.
Nathan Pumphrey Pitcher.—Baltimore.
Carl Samuel Stern.—Law Student, New York.
William Ringgold Straughn.—Instr. Normal Sch., Millersville, Pa.
Thomas Shenton Strobhar.—Phila.
John Morris Super.—Teacher, Balt.
Isaac Chandler Walker.—Med. Student.
Gustav Herman Woltereck. — Med. Student.
Lawrence Counselman Wroth. — Librarian Md. Diocesan Libr. Balt.
Robert Bamford Zeigler.—Student, Drew Theol. Sem. Madison, N. J. (33)

1906

Carlyle Barton.—Instr. St. Paul's School, Balt.
David Simon Blondheim.—Graduate Student.
Allen Strafford Bowie.—Student of Law, Univ. of Md.
Walter Stewart Brauns.—Baltimore.
Thomas Gorsuch Campbell. — Instr. St. James School, Md.

Thomas Rodney Chambers.—Med. Student.
Henry Theodore Collenberg.—Med. Student.
James Curlander.—Baltimore.
William Edwin Curley, Jr.—Balt.
Horace Hatch Custis.—Washington.
William Alexander Dickey, Jr.—Balt.
Lewis Alan Dill.—Student of Law, Univ. of Md.
Baruch Mordecai Edlavitch.—Med. Student.
Stanley Strauss Eiseman.—Student, Philadelphia.
Victor Max Frey.—Student, Mass. Inst. Tech. Boston.
Thomas Rasin Godey.—Baltimore.
Alvin Greif.—Baltimore.
James Fullerton Gressitt.—Grad. Student; Sec. Y. M. C. A. 1906-07.
George Mitchell Griffith.—Student of Law, Univ. of Md.
Edward Lyell Gunts.—Med. Student.
Frederick Home Hack, Jr.—Balt.
*Ormond Willson Hammond, Jr. **January* 6, 1907.
Conrad Hardecker.—Grad. Student.
Joseph Steuart Hill.—Baltimore.
William Ralph Jones.—Instr. Botany, Balt. City Coll. 1906-07.
John Aubel Kratz.—Baltimore.
Thomas Gresham Machen.—Student, Cornell Univ.
John Mabry Mathews.—Grad. Student.
Thomas Wilbur Meads.—Student of Law, Univ. of Md.
Carl Killmann Mengel.—Student of Law, Univ. of Md.
Charles Ferdinand Meyer.—Balt.
Edmond Harris Morse.—Grad. Student.
Firmadge King Nichols.—Med. Student.
Lewis Bayard Robinson, Jr.
Thomas DeCoursey Ruth.—Baltimore.
Maurice Roland Schmidt.—Grad. Student.
William Herdman Schwatka.—Student of Law, Univ. of Md.
E. Leland Shackelford.—Baltimore.
Joseph Theophilus Singewald, Jr.—Grad. Student.
William Leonard Sioussat.—Univ. of the South, Sewanee, Tenn.
Edward Hinman Sirich.—Grad. Student.
William Knepper Skilling.
B. Holly Smith, Jr.—Dental Student, Balt.
William Conwell Smith.—Law Student, Univ. of Md.
Henry William Snyder.—Theol. Student, Gettysburg, Pa.
Johannes Karl Robert Konrad Uhlig.—Grad. Student.
Emanuel George Zies.—Grad. Student.
Paul Hudson Zinkhan.—Asst. Library of Congress. (48)
(920)

Proficient in Applied Electricity

When the institution is not named, this university is to be understood. (F) indicates that the person has held a fellowship here. *—Died.

1889

Cary Talcott Hutchinson (F), Ph. B. Wash. Univ. 1886; Ph. D. 1889, Acting Assoc. Prof. Elec. 1898-99.—Consulting Engr. N. Y.
Joseph Lee Jayne, U. S. Naval Acad. 1882; Lieut. U. S. Navy; Bureau of Elec. Navy Dept. Wash.
Henry Hazlehurst Wiegand, A. B. 1885.—Elec. Engr. Balt.
*Gilbert Wilkes, U. S. Naval Acad. 1881; Lecturer, Univ. of Wis. 1892-94. (4)

1890

William Julian Albert Bliss, A. B. Harvard 1888; Ph. D. 1894; Instr. Woman's Coll. Balt. 1894-95.—Coll. Prof. Physics.
James Shaler Hodges, A. B. 1886.—Elec. Engr. Balt. (2)

1891

Charles Griffin Edwards, S. B. St. John's 1889.—Asst. Engr. Elec. Commission, Balt. (1)

1892

*Ezra Carl Breithaupt. **January* 27, 1897.
William Hand Browne, Jr. A. B. 1890; Instr. Univ. of Neb. 1896-98; Asst. Prof. Univ. of Ill. 1898-1902.—Tech. Ed. *Electrical Review*, N. Y.
*Henry Wakefield Frye, A. B. Colby 1889. **June* 20, 1895.
George Henry Hutton, Jr.—Baltimore.
Robert Ernest Hutton.—Instr. Elec. Wash. and Lee, Lexington, Va.
Norman Crawford McPherson, A. B. Pa. Coll. 1889.—Hagerstown, Md.
Hugh Pattison.—Pa. Steel Co., Harrisburg.
Charles William Waidner (F), A. B. 1896, Ph. D. 1898, Asst. 1898-99; Instr. Williams 1899-1901.—Physicist, Bureau of Standards. Wash.
Arthur Judson Warner, A. B. Marietta 1899.—San Francisco, Cal. (9)

1893

Louis Minturn Aspinwall. — Elec. Engr. Wilkinsburg, Pa.
Shellman Baer Brown, A. B. 1891.—Civil Engr. Annapolis, Md.
Sidney Hand Browne, A. B. 1891.—Elec. Engr. Boston.
Eugene Russell Carichoff, A. M. Wash. and Lee 1885.—Sprague Elec. Co. N. Y.
Howard Waters Doughty (F), Ph. D. 1904; Asst. Univ. of Mo. 1904-06.—Instr. Chem. Univ. of Wis. Madison.
Harold Mills Dyar, Ph. B. Marietta 1888.—Moultrieville, S. C.
Irenus Kittredge Hamilton, S. B. Trinity (Conn.) 1891.—Chicago, Ill.
William Winder Handy, S. B. Haverford 1891.—Elec. Engr. Balt.
Charles Roy McKay.—Sprague Elec. Co. N. Y.
William Robinson Molinard.
*Arthur Lacy Reese. **March* 12, 1894.
Arthur John Rowland.—Prof. Elec. Eng. Drexel Inst. Phila.
William Frederick Schulz, Univ. of Ill. (E. E. 1900, Instr. 1900-06).—Grad. Student, Physics.
Robert Isaac Todd.—Gen. Manager, Cincinnati Traction Co.
John Boswell Whitehead, Jr. A. B. 1898, Ph. D. 1902.—Assoc. Prof. Elec. (15)

1894

William Pierce Anderson, A. B. Harvard 1892.
John Woodside Corning.—Elec. Engr. Boston.
Lewis Warrington Cottman.—Baltimore.
Harvey Cavendish Darrell.—Baltimore.
Peter Conover Hains, Jr. U. S. Naval Acad. 1893.—U. S. Artillery, Ft. Riley, Kan.
Stephen Quentin Hayes, A. B. Georgetown (D. C.) 1892.—Westinghouse Co. Pittsburg.
Douglas Alexander Howard, U. S. Mil. Acad. 1878.—Captain (retired), U. S. A.
Andrew Ellicott Maccoun.—Electrician, Carnegie Steel Co. Pittsburg.
James Warren McCrosky, S. B. Univ. of Neb. 1891.—Electrician, Buenos Ayres.
Henry Hutchinson Norris, M. E. Cornell.—Prof Elec. Eng. Cornell.
Charles Edward Phelps, Jr.—Chief Engr. Elec. Commission, Balt.
Alfred Magill Randolph, Jr. A. B. 1891.—Elec. Engr. Manchester, Eng.
Samuel Reber, U. S. Mil. Acad. 1886.—Colonel and Instr. Signal Service, U. S. A.

Franklin Roberts.—Elec. Engr. Balt.
Theodore Straus.—Baltimore.
John Saunders Taylor.—Atty. at Law, Norfolk, Va.
Frank McStocker Thomas.—Electrician, Philadelphia.
Wallace Durant White.—Baltimore.
James Watts Young.—Engineer, N. Y. (19)

1895

Harry Bissing, A. B. 1895.—Elec. Engr. N. Y.
Byron Briggs Brackett, A. B. Syracuse 1890; Ph. D. 1897; Instr. Union 1897-98; Wash. High School 1898-1900, Rutgers 1900-03.—Prof. Phys. and Elec. Clarkson School of Tech. Potsdam, N. Y.
Benjamin Harrison Branch.—Ellicott City, Md.
Edson Fessenden Gallaudet, Yale (A. B. 1893, Instr. 1896-00); Ph. D. 1896.—Engr. Dayton, O.
George Henry Hill, A. B. Williamsport Dickinson Sem. 1891.—Gen. Elec. Co. Schenectady, N. Y.
Alexander McIver, Jr. A. B. Univ. of N. C. 1890.—Gen. Elec. Co. Schenectady.
Joseph Mullen, Jr.—Elec. Engr. Petersburg, Va.
Charles Reutlinger. — Elec. Engr. Balt.
John Jacob Rothermel, A. B. Franklin and Marshall 1893.—Instr. Phys. Wash. High School.
Frank Semple Wilcox, S. C. Mil. Acad. 1893. (10)

1896

Matthew Maury Corbin.—Gen. Elec. Co. Schenectady, N. Y.
Isidor Deutsch.
Hugh Miller Frazer, S. B. Ky. State 1889.—Electrician, Lexington, Ky.
James Holdsworth Gordon, Jr.—Electrician, N. Y. Telephone Co.
Horace Marshall Harriman, Jr.
Malcolm Westcott Hill.—Elec. Contractor, Balt.
George Harwood Hodges. — Electrician, N. Y. Telephone Co.
Jasper Alan McCaskell, S. B. Loyola 1895; E. M. Columbia 1900.—Chicago.
George Stevens Maynard, A. B. 1894. —Gen. Elec. Co. Schenectady.
Henry Todd Powell.—U. S. Revenue Cutter Service.
Charles Leonard Reeder.—Consulting Engr. Balt.
Martin Schwab.—Elec. Engr., Balt.
James Mowton Saunders Waring. (13)

1897

Wyatt Hamilton Allen, Ph. B. Yale 1896.—Elec. Engr. N. Y.
*Joseph Hockman Bowman, A. B. Franklin and Marshall 1893. **January* 20, 1904.
Walter Herman Eisenbrandt.—Elec. Engr. Balt.
David Sterrett Pindell, A. B. 1895.—Elec. Engr. Sault Ste. Marie, Mich. (4)

1898

George Edward Bartell,—Baltimore.
William Burke Brady, M. E. Lehigh 1897.
*Edmund Frank, S. B. Rose Polytech. 1897. **July*, 1901.
William Schrofield Gorsuch, Jr.—Elec. Engr. Balt.
Richard Cameron Haldeman, A. B. Yale 1896.—Westinghouse Co. Pittsburg.
William Lemmon Hodges.—Electrician, Phila.
Ferdinand Brauns Keidel. — Elec. Engr. Balt.
Bertram Motter Kershner.—Elec. Engr. St. Louis.
Charles J. Spencer. — Electrician, Williamsburg, Pa. (9)

1899

James Robert Charlton Armstrong, A. B. 1899.—Elec. Engr., N. Y.
Robert Buchanan Beale, S. B. Md. Agric. 1896.—Gen. Elec. Co. Schenectady, N. Y.
Reinier Koller Beeuwkes. — Electrician, N. Y.
William Trout Everett.
James William Swaine.—Elec. Engr. Balt. (5)
(91)

Libraries

1. The University Library numbers 133,000 bound volumes, selected with special reference to the instruction here given. It is arranged in several collections, of which these are the chief:

General Reference.	Semitic Languages.
Historical and Political.	Sanskrit.
Economics.	Modern Languages.
Mathematical and Physical.	The McCoy Art Library.
Chemical.	Medicine.
Biological.	Physiology and Anatomy.
Geological.	Philosophy and Psychology.
Classical.	

The reference library and reading room is open daily from 9 a. m. to 6 p. m.; the other rooms in accordance with special regulations.

The library receives the publications of the leading scientific societies of the world and the chief literary and scientific periodicals. The whole number of serials received exceeds fifteen hundred. This list is supplemented by those of the Peabody Institute and other institutions, so that the whole number of journals accessible (exclusive of ephemeral publications) exceeds two thousand. Important books are received by the library as soon as published, by purchase or by the courtesy of dealers.

2. The Peabody Library is a choice collection of books purchased since 1866. It is particularly full in academic transactions, long historical series, and costly illustrated books. It numbers 161,000 volumes, well bound, catalogued, and arranged. It is open daily, without charge, from 9 a. m. to 10.30 p. m.

3. The Enoch Pratt Free Library numbers 244,000 volumes and is open daily, without charge.

4. The Maryland Historical Society Library contains 45,000 volumes of historical works and is open daily.

5. Other libraries of Baltimore are the New Mercantile Library (80,000 volumes), the Bar Library (25,000 volumes), the Medical and Chirurgical Library (16,000 volumes), the Maryland Diocesan Library (30,000 volumes).

6. Washington is so near that its museums and libraries may be easily visited. Among the chief institutions of interest to students are these:

The Library of Congress.
The Smithsonian Institution and National Museum.
The Army Medical and Surgical Museum and Library.
The U. S. Coast and Geodetic Survey.
The U. S. Geological Survey.
The U. S. Naval Observatory.
The Libraries of the Departments and Bureaus.
The Corcoran Art Gallery.

PUBLICATIONS ISSUED AT THE JOHNS HOPKINS UNIVERSITY

I. American Journal of Mathematics

This journal was commenced in 1878, under the editorial direction of Professor Sylvester. Professor Frank Morley is now the editor. Twenty-eight volumes of about 400 pages each have been issued, and the twenty-ninth is in progress. It appears quarterly. Subscription $5 per year (foreign postage 50 cents). Single numbers $1.50. A few complete sets remain. These will be sold for $125 per set.

II. American Chemical Journal

This journal was commenced in 1879, with Professor Remsen as editor. Thirty-six volumes have been issued, and the thirty-seventh is in progress. This journal appears monthly. Two volumes of six numbers and of about 500 pages each are issued yearly. Subscription $5 per year (foreign postage 50 cents). Single numbers 50 cents.

III. American Journal of Philology

The publication of this journal commenced in 1880 under the editorial direction of Professor Gildersleeve. Twenty-seven volumes of about 500 pages each have been issued, and the twenty-eighth is in progress. It appears four times yearly. Subscription $3 per volume (foreign postage 50 cents). Single numbers $1.

IV. Studies from the Biological Laboratory

The publication of these papers commenced in 1879, under the direction of Professor Martin, with the assistance of Professor W. K. Brooks. Five volumes of about 500 pages, octavo, and 40 plates each have been issued.

V. Studies in Historical and Political Science

The publication of these papers was begun in 1882, under the editorial direction of Professor H. B. Adams. Professors Vincent, Willoughby, and Hollander are now the editors. Twenty-four series are now completed and the twenty-fifth series is in progress. A number of extra volumes have also been issued. Subscription $3 per volume (foreign postage 50 cents). The set of twenty-four regular series will be sold for eighty dollars net.

VI. Memoirs from the Biological Laboratory

These monographs are issued under the editorial direction of Professor W. K. Brooks. Volume V is now complete.

VII. Johns Hopkins University Circular

The publication of these Circulars began in December, 1879, and 195 numbers have since been issued. Subscription $1 per year.

VIII. Contributions to Assyriology and Semitic Philology

The publication of this journal was begun in 1889. Professor Paul Haupt, of the Johns Hopkins University, and Professor Friedrich Delitzsch, of the University of Berlin, are the editors. Volume VI is in progress.

IX. Reprint of Economic Tracts

Professor J. H. Hollander, editor. First Series, 1903, $1.50; Second Series in progress, $1.

X. The Johns Hopkins Hospital Reports

These reports are edited by the Medical Faculty of the University, and published for the Johns Hopkins Hospital. Their publication was begun in 1890. Volume XV is in progress. Subscription $5 per volume (foreign postage, 50 cents). The set of fourteen volumes will be sold for eighty dollars.

XI. The Johns Hopkins Hospital Bulletin

The publication of this Bulletin began in 1889. It is published monthly. Volume XVIII is in progress. Subscription $2.00 per year (foreign postage, 50 cents).

XII. Modern Language Notes

This journal is edited by Professor A. M. Elliott and his associates in the Modern Language Department. It appears monthly. The twenty-second volume is in progress. Price $1.50 per year (foreign postage, 25 cents).

XIII. American Journal of Insanity

This journal is under the direction of Professor Henry M. Hurd as editor-in-chief. It appears quarterly. The sixty-third volume is in progress. Subscription $5 per year.

XIV. Terrestrial Magnetism and Atmospheric Electricity

This journal is edited by Dr. L. A. Bauer. It appears quarterly. Volume XII is in progress. Subscription $2.50 per year (foreign postage, 25 cents).

XV. Reports of the Maryland Geological Survey

These reports are under the editorial direction of Professor William B. Clark, Director of the Survey.

XVI. Reports of the Maryland Weather Service

These reports are under the direction of Professor William B. Clark, Director of the Service.

XVII. Annual Report.

Presented by the President of the Board of Trustees, reviewing the operations of the university during the past academic year.

XVIII. Annual Register

Giving the list of the officers and students and containing detailed statements as to the regulations and work of the university.

Announcements of the Graduate, Collegiate, and Medical Courses of Instruction are issued yearly and will be sent on application.

Some of the principal separate publications issued by the Johns Hopkins Press are:

THE PHYSICAL PAPERS OF HENRY A. ROWLAND. 716 pages, royal octavo. $7.50.

BALTIMORE LECTURES ON MOLECULAR DYNAMICS AND THE WAVE THEORY OF LIGHT. By Lord Kelvin. 716 pages, octavo. $4.50.

PHOTOGRAPHIC REPRODUCTION OF THE KASHMIRIAN ATHARVA-VEDA. Edited by Professor Bloomfield. 3 vols., folio. $50.

STUDIES IN HONOR OF PROFESSOR GILDERSLEEVE. 527 pages, octavo. $6.00.

PHOTOGRAPHS OF THE NORMAL SOLAR SPECTRUM. By Professor H. A. Rowland. Set of ten plates, $25.

A NEW CRITICAL EDITION OF THE HEBREW TEXT OF THE OLD TESTAMENT. By Paul Haupt. Now in progress. Prospectus on application.

A COMPLETE FACSIMILE EDITION OF THE TEACHING OF THE APOSTLES. 110 pages quarto and 10 plates. $5.00.

REPRODUCTION OF A SYRIAC MANUSCRIPT OF THE ANTILEGOMENA EPISTLES. 17 phototype plates. $3.00.

SELECTIONS FROM THE EARLY SCOTTISH POETS. By William Hand Browne. 240 pages. $1.25.

A MONOGRAPH OF THE GENUS SALPA. By W. K. Brooks. 400 pages and 57 plates. $7.50.

THE FINANCIAL HISTORY OF BALTIMORE. By J. H. Hollander. 400 pages, 8vo. $2.00.

CUBA AND INTERNATIONAL RELATIONS. By J. M. Callahan. 503 pages, 8vo. $3.00.

THE AMERICAN WORKMAN. By E. Levasseur. (Translation). 540 pages, 8vo. $3.00.

STUDIES IN TYPHOID FEVER. By William Osler and others. Series I, II, III. 776 pages, 8vo. $5.00.

THE MALARIAL FEVERS OF BALTIMORE. By W. S. Thayer and others. 280 pages, 8vo. $2.75.

STUDIES IN STATE TAXATION WITH PARTICULAR REFERENCE TO THE SOUTHERN STATES. 254 pages, 8vo. $1.25.

POEMA DE FERNAN GONÇALEZ. Critical Text by C. Carroll Marden. 274 pages, 8vo. $2.50.

THE TAILL OF RAUF COILYEAR. Edited by William Hand Browne. 164 pages, 8vo. $1.00.

ECCLESIASTES. A New Metrical Translation. By Paul Haupt. 50 pages. 50 cents.

THE OYSTER. By William K. Brooks. 225 pages with 16 plates. $1.

STUDIES IN GENITO-URINARY SURGERY (in two volumes). By Hugh

H. Young and others. Price in paper $5 per volume; in cloth $5.50 per volume.

ANCIENT SINOPE. By David M. Robinson. 112 pages. $1.

BIBLIOGRAPHIA HOPKINSIENSIS. A list of publications by members of the university. Now in progress.

DISSERTATIONS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY IN THE JOHNS HOPKINS UNIVERSITY.

REGULATIONS OF THE TREASURER'S OFFICE

I. The Treasurer's Office is open daily from 9 a. m. to 4 p. m.

II. All bills should be presented at that place, endorsed as correct by the person under whose authority the expense has been incurred.

III. No member of the academic staff is allowed to incur a bill in the name of the university, unless authority is given for the same by the Trustees, in advance, either as an item in the annual budget, or as a special appropriation. Blank forms of application are provided for special requisitions.

IV. Orders for books and apparatus to be imported from Europe will not be considered authorized, unless countersigned by the President or the Treasurer of the university.

All goods must be consigned to and addressed "The Johns Hopkins University, Baltimore, Md." Goods for other parties (societies or individuals) must not be included in the university cases. Invoices, sworn to before the U. S. Consul, must be sent by mail, and a duplicate invoice by the following mail, both addressed to The Johns Hopkins University.

Unless otherwise ordered, goods from Europe should be sent as follows:

From Germany by the North German Lloyd steamers sailing for Baltimore from Bremen; from England by steamship lines from Liverpool to Baltimore; from France and Italy, via Havre and Liverpool.

Printed copies of instructions to shippers, which can be obtained at the Treasurer's Office should in all cases be enclosed with the orders.

V. The Treasurer's Office will make purchases, at wholesale rates, of supplies which are required for the current needs of the university.

VI. Such pass books as are authorized by the Treasurer should be presented for balance and settlement every month.

VII. The wages of all persons employed by the university will be paid at the Treasurer's Office.

VIII. When C. O. D. packages are expected, previous arrangements should be made for their reception.

IX. . Outlays made for individuals (express parcels, postage, telegraph messages, etc.) should be settled at once.

X. An annual allowance is made by the Trustees, in the budget, for such expenses as they approve, and in deciding on the items they are governed by a consideration of the general interests of the university, as

well as by the needs of special branches of instruction. Balances to the debit or credit of any account are carried forward to the new account at the opening of each financial year (September 1). A statement of the amount of the balance and of any additional appropriation will be communicated to the parties severally interested, if requested, after the Trustees' meeting in October.

Scientific Societies

1. The Scientific Association, meeting monthly, under the presidency of Professor Ames.
2. The Philological Association, meeting monthly, under the presidency of Professor Gildersleeve.
3. The Historical and Political Science Association, meeting fortnightly.
4. Naturalists' Field Club, which makes weekly excursions during the spring and autumn and holds monthly meetings for the presentation and discussion of papers.

There are also companies which meet weekly in the laboratories for the reading of the scientific journals, and seminaries in several departments of study.

Historical Statement

The Johns Hopkins University was founded by the munificence of a citizen of Baltimore, Johns Hopkins, who bequeathed the most of his large estate for the establishment of a University and a Hospital.

1867, August 24.	Incorporation of the Johns Hopkins University.
1870, June 13.	Organization of the Board of Trustees.
1873, December 24.	Death of the Founder [born May 19, 1795].
1874, February 6.	First Business Meeting of the Trustees.
1874, December 30.	Election of a President of the University.
1876, February 22.	Inauguration of President Gilman.
1876, October 3,	Instruction of students began.
1886, April 26.	Celebration of the Tenth Anniversary.
1889, May 7.	Opening of the Johns Hopkins Hospital.
1893, October 1.	Opening of the Medical Department.
1894, October 1.	Opening of McCoy Hall.
1901, February 22.	Resignation of President Gilman.
1901, June 3.	Election of President Remsen.
1902, February 21, 22.	Celebration of the Twenty-fifth Anniversary.
1902, February 22.	Inauguration of President Remsen.
1902, February 22.	Gift of a New Site for the University.
1902, July 1.	Gift of a Million-Dollar Endowment Fund.

STATEMENTS IN RESPECT TO THE COURSES OF INSTRUCTION

The Johns Hopkins University offers instruction to the following classes of students:

I. UNDER THE FACULTY OF PHILOSOPHY

1. College graduates, who may proceed to the degree of Doctor of Philosophy, or may work for longer or shorter periods in the various seminaries and laboratories without reference to a degree. Women are admitted to graduate courses on the same terms as men.

2. Undergraduate students looking forward to the degree of Bachelor of Arts and following any one of five parallel groups of study.

3. Students who have not taken a degree and are not looking forward to a degree, but who desire to avail themselves of the opportunities here afforded.

II. UNDER THE FACULTY OF MEDICINE

1. Candidates for the degree of Doctor of Medicine, for whom a four years' course is provided. These candidates must be college graduates, or must give evidence, by examination, that they possess attainments indicated by a baccalaureate degree in arts or science. Women are admitted on the same terms as men.

2. Doctors of Medicine desiring to pursue certain special courses, which are annually announced.

I. FACULTY OF PHILOSOPHY

Advanced and graduate students are received whether they are candidates for a degree or not, and they are permitted to attend such lectures and exercises as they may select.

On entering the university they are expected to present their diplomas and certificates from the institutions with which they have been connected, and also letters of introduction. They are not examined by the university for admission, but each instructor satisfies himself of the attainments of those who wish to follow his guidance, before admitting them to his classes.

The professors are free to give personal counsel and instruction to those who seek it; books and instruments adapted to investigation and advanced work have been liberally provided; seminaries limited to a few advanced students have been organized in various subjects; societies devoted to philology, to mathematical, physical, and natural science, and to history and political science, afford opportunities for the presentation of memoirs and original communications, and there are also clubs for the reading and discussion of philological, biological, physical, geological, and chemical papers; during the year courses of lectures are given by resident and non-resident professors on topics to which they have given special attention; the libraries of the Peabody Institute and Maryland Historical Society, founded for the advantage of scholars, are easily accessible; the issuing, under the auspices of the Trustees, of publications devoted to mathematics, chemistry, philology, biology, the modern languages, and history, brings the university into advantageous connection with other foundations; and the university reading room, which is constantly open, is liberally supplied with new and standard books and with the literary and scientific journals of this and other lands.

Instruction is carried on in the different departments by methods which vary with the nature of the subject and the character and proficiency of the scholars; but in all alike the end is the same,—that, while the students are becoming familiar with the work prosecuted and the results attained elsewhere, and are adding to their general intellectual culture, they may be encouraged to become independent and original investigators in their chosen fields of

labor. Within reasonable limits the university will provide such books, apparatus, and material as may be requisite for this purpose.

The principal subjects in which advanced instruction is now provided are these:

Mathematics.	Sanskrit and Comparative Philology.
Physics.	Semitic Languages.
Chemistry.	Anglo-Saxon and English.
Geology and Mineralogy.	Romance Languages.
Zoology.	German.
Botany.	Germanic Philology.
Physiology.	History.
Pathology.	Political Economy.
Greek.	Political Science.
Latin.	Philosophy and Psychology.
Classical Archæology.	

Mathematics

The instruction in Mathematics is under the charge of Professor Morley, with the aid of Dr. Hulburt, Collegiate Professor of Mathematics, Dr. Cohen, Associate, and Dr. Coble, Instructor.

The less advanced subjects are nearly the same every year. The more advanced courses vary from year to year, and are so arranged that a student who remains here two or three years may receive continued and systematic guidance in the main lines of modern mathematical research. The subjects of the advanced courses may be broadly classified as follows:

Theory of Numbers, Theory of Finite Groups, Theory of Transformation Groups, Theory of Invariants.

Higher Plane Curves, Line Geometry, Geometry of Circles and Spheres, General Projective Geometry, Differential Geometry.

Theory of Functions of Real Variables, Theory of Functions of a Complex Variable, Theory of Functions of Two Complex Variables; Elliptic Functions, Elliptic Modular

On entering the university they are expected to present their diplomas and certificates from the institutions with which they have been connected, and also letters of introduction. They are not examined by the university for admission, but each instructor satisfies himself of the attainments of those who wish to follow his guidance, before admitting them to his classes.

The professors are free to give personal counsel and instruction to those who seek it; books and instruments adapted to investigation and advanced work have been liberally provided; seminaries limited to a few advanced students have been organized in various subjects; societies devoted to philology, to mathematical, physical, and natural science, and to history and political science, afford opportunities for the presentation of memoirs and original communications, and there are also clubs for the reading and discussion of philological, biological, physical, geological, and chemical papers; during the year courses of lectures are given by resident and non-resident professors on topics to which they have given special attention; the libraries of the Peabody Institute and Maryland Historical Society, founded for the advantage of scholars, are easily accessible; the issuing, under the auspices of the Trustees, of publications devoted to mathematics, chemistry, philology, biology, the modern languages, and history, brings the university into advantageous connection with other foundations; and the university reading room, which is constantly open, is liberally supplied with new and standard books and with the literary and scientific journals of this and other lands.

Instruction is carried on in the different departments by methods which vary with the nature of the subject and the character and proficiency of the scholars; but in all alike the end is the same,—that, while the students are becoming familiar with the work prosecuted and the results attained elsewhere, and are adding to their general intellectual culture, they may be encouraged to become independent and original investigators in their chosen fields of

labor. Within reasonable limits the university will provide such books, apparatus, and material as may be requisite for this purpose.

The principal subjects in which advanced instruction is now provided are these:

Mathematics.	Sanskrit and Comparative Philology.
Physics.	Semitic Languages.
Chemistry.	Anglo-Saxon and English.
Geology and Mineralogy.	Romance Languages.
Zoology.	German.
Botany.	Germanic Philology.
Physiology.	History.
Pathology.	Political Economy.
Greek.	Political Science.
Latin.	Philosophy and Psychology.
Classical Archæology.	

Mathematics

The instruction in Mathematics is under the charge of Professor Morley, with the aid of Dr. Hulburt, Collegiate Professor of Mathematics, Dr. Cohen, Associate, and Dr. Coble, Instructor.

The less advanced subjects are nearly the same every year. The more advanced courses vary from year to year, and are so arranged that a student who remains here two or three years may receive continued and systematic guidance in the main lines of modern mathematical research. The subjects of the advanced courses may be broadly classified as follows:

Theory of Numbers, Theory of Finite Groups, Theory of Transformation Groups, Theory of Invariants.

Higher Plane Curves, Line Geometry, Geometry of Circles and Spheres, General Projective Geometry, Differential Geometry.

Theory of Functions of Real Variables, Theory of Functions of a Complex Variable, Theory of Functions of Two Complex Variables; Elliptic Functions, Elliptic Modular

Functions; General Automorphic Functions, Abelian Functions; Ordinary Differential Equations, Partial Differential Equations; Calculus of Variations.

Kinematics, Theoretical Dynamics, Theory of the Potential, Theory of Probabilities.

The Mathematical Seminary meets weekly.

Undergraduates are annually instructed in Elementary Analytic Geometry, Theory of Equations, Elements of Projective Geometry, Differential and Integral Calculus, Differential Equations, Solid Analytic Geometry.

A large number of mathematical journals are regularly received, besides the publications of learned societies abroad and at home. Among the journals received are the following (the asterisk indicating full sets):

Journal für die reine und angewandte Mathematik* (Crelle); Journal de Mathématiques pures et appliquées* (Liouville); Comptes Rendus; Mathematische Annalen*; Monatshefte für Mathematik and Physik*; L'Intermédiare des Mathématiciens*; Bulletin des Sciences mathématiques*; Journal de l'École Polytechnique; Annales de l'École Normale; American Journal of Mathematics*; Annali di Matematica*; Giornale di Matematica*; Acta Mathematica*; Archiv für Mathematik und Physik* (Grunert); Zeitschrift für Mathematik und Physik*; Proceedings of the London Mathematical Society*; Bulletin of the American Mathematical Society*; Transactions of the American Mathematical Society*; Bulletin de la Société mathématique de France*; Rendiconti del Circolo Matematico di Palermo*; Quarterly Journal of Mathematics*; Messenger of Mathematics; Annals of Mathematics*.

The university has a collection of about two hundred and thirty geometrical models, illustrating the forms of mathematical solids, surfaces, and curves, their singularities and varieties, and the method of descriptive geometry by which they are represented on a plane.

The American Journal of Mathematics, founded by Professor Sylvester, and edited successively by Professor Craig, Professor Newcomb, and Professor Morley, has completed its twenty-eighth volume. Beginning with volume X, there has been published in each volume the portrait of an eminent mathematician. Those so far published, in order of publi-

cation, are as follows: Sylvester, Hermite, Poincaré, Cayley, Klein, Halphen, Lie, Picard, Appell, Fuchs, Darboux, Newcomb, Mittag-Leffler, Salmon, Peirce, Cremona, Noether, Hill, G. Cantor, Hilbert.

Physics

The instruction in Physics is under the charge of Professor Ames, Director of the laboratory, with the aid of Professor Wood, Collegiate Professor Bliss, Associate Professor Whitehead, and several assistants.

The laboratory is a substantial brick building 117 feet long by 71 feet wide, with five stories besides a basement and a sub-basement, and is so situated as to receive light from all sides. Power and heat are furnished from separate buildings.

The physical apparatus includes an equipment for lectures and demonstrations and a valuable collection of instruments for both elementary work and research. Many of these have been made from special designs, others are standard instruments which have been purchased from European and American makers; all of them have been most carefully selected. Special facilities, in some cases almost unique, are afforded those wishing to carry on investigations in electricity and in light.

The physical and mathematical libraries of the university are now placed in McCoy Hall, where they are easily accessible at any time. The physical section contains complete sets of almost all the physical journals published in this country and abroad, and all the standard books of the present and the past. About sixty periodicals, English, French, German, and Italian, are received. Certain magazines and books of reference are retained in the Seminary room of the laboratory, where the advanced students can consult them at any moment. This small collection is especially selected each year with reference to the courses of advanced in-

struction offered that year. Among the magazines kept on file in the laboratory are the following:

Philosophical Magazine, Physical Review, The Astrophysical Journal, Annalen der Physik and Beiblätter, Physikalische Zeitschrift, Journal de Physique, Comptes Rendus, Proceedings and Transactions of the Royal Society of London, the Proceedings of the London Physical Society, L'Éclairage Électrique, and the Electrician (London).

Through the generosity of a former student, a special collection of spectrum-maps and of books and pamphlets dealing with spectroscopy is now being made, and will be kept in the laboratory for the use of students.

Instruction and facilities for work in the laboratory are offered all classes of students, elementary and advanced. The following is a general view of the courses:

Lectures

First Year Course.—This is intended for students who are beginning Physics, or who have not a sufficient knowledge of the principles of the subject to warrant their undertaking more advanced work. To enter this course a student must be able to use logarithms and must have studied plane trigonometry at least through the solution of right-angled triangles. The lectures are accompanied by demonstrations; and mechanics, sound, heat, electricity and magnetism, and light are taken up in succession. Recitations on the subjects treated in the lectures are held regularly, and the course continues three hours weekly, through the year. Along with the lectures the student does work in the laboratory, performing a few simple quantitative experiments, which illustrate the facts and principles considered in the class-room.

Second and Third Year Courses.—These are divided into two sections: one following Mechanics, Acoustics and Electricity, the other Heat and Light. The former is more mathematical than the latter, and serves as an introduction to mathematical-physics. These are designed to meet the needs of students who have already taken either the first year's course, or its equivalent, and who wish to pursue fur-

ther their physical studies. A working knowledge of analytic geometry and calculus is required for admission to them. The lectures take up both the descriptive and the mathematical side of the subject. Recitations are held regularly, and the courses continue through the year, each requiring three hours weekly.

Advanced Work.—For the instruction of those students who have the necessary preparation, certain lectures are given in Mathematical Physics. There is one course, continuing through three years, which includes Mechanics, Hydrodynamics, Sound, Thermodynamics, Heat Conduction, Physical Optics, Electricity and Magnetism. A second course of lectures is given, in which different subjects are treated in different years. During the year 1906-07 the topic was Physical Optics.

These lectures develop the mathematical theory of the subjects, and to follow them the student should have a satisfactory knowledge of differential equations and analytic geometry of three dimensions. Authors like Lord Kelvin, Lord Rayleigh, Maxwell, von Helmholtz, and Poincaré are referred to continually, and the ability to read French and German is absolutely necessary.

Other lectures are given on such subjects as the Kinetic Theory of Gases, Radio-Activity, Conduction of Electricity by Gases, Photography, etc. These are brief courses and vary from year to year.

There are also courses of instruction, both theoretical and practical, in Applied Electricity. They are intended for graduate students only.

A course of lectures is also given in Astro-Physics, which is accompanied by regular work with the spectroscope and in the observatory.

Journal Meetings and Seminary

The advanced students meet with the instructors once a week for the discussion of the current physical journals. Carefully prepared reports on various articles are here presented.

The Physical Seminary, to which only the most advanced students are admitted, meets once each week. The work of the Seminary consists of two distinct exercises: one is the reading of some physical treatise and a consideration of the problems suggested by it; the other is the presentation of critical papers upon various assigned topics in connection with the courses of lectures.

Laboratory Work

An effort is made to render the laboratory as useful as possible to advanced students and investigators. Those who are prepared for such work, will have the facilities which it affords placed most freely at their disposal, and will receive all possible assistance.

Regular courses of instruction are arranged for undergraduate students and for others who need them.

Chemistry

The instruction in Chemistry is under the charge of President Remsen, Director of the Laboratory, and Professor Morse, Adjunct Director, with the co-operation of Professors Renouf and Jones, Associate Professor Acree, and Dr. Gilpin, Associate.

The higher or graduate work is based upon that given in the four years' undergraduate course, and those graduates of other colleges who have not followed courses equivalent to this, begin with that part of the undergraduate work which appears best suited to their needs. The following outline of the work will give some idea of its character.

UNDERGRADUATE COURSES

Professor Renouf and Dr. Gilpin.

Courses are offered for four years. Each course except that for the fourth year consists of three lectures or reviews and six hours of laboratory work weekly, under the guidance of Professor Renouf, Dr. Gilpin, and assistants.

The courses of the first three years are required courses for those students who intend to study medicine or chemistry as a profession. The fourth year course is an elective one for students of chemistry.

First Year.—I. Lectures by Professor Renouf. The ground covered is approximately that laid down in Remsen's "Introduction to the Study of Chemistry." Toward the close of the year about twelve lectures on organic chemistry are given.

II. The laboratory work consists of the experiments described in the text book and simple quantitative analysis.

Second Year.—I. Lectures by Dr. Gilpin. Advanced inorganic chemistry, including physical chemistry.

II. Laboratory work. Qualitative analysis and inorganic preparations.

Third Year.—I. Lectures by Dr. Gilpin. Organic chemistry.

II. Laboratory work. Organic preparations and simple organic analysis.

Fourth Year.—Laboratory work under Professor Renouf and Dr. Gilpin. This course is an elective, offered to students in their fourth year. The work is arranged to meet individual needs.

GRADUATE COURSES

Professor Remsen, Professor Morse, Professor Renouf, Professor Jones, and Associate Professor Acree.

I. Weekly journal meetings, conducted by Professor Remsen.

II. Three times weekly and extending over two years, a course of lectures on organic chemistry, by Professor Remsen.

III. Twice weekly and extending over two years, a course of lectures, by Professor Morse, on inorganic chemistry.

IV. Three lectures a week throughout the year on physical chemistry, by Professor Jones.

V. A short course of lectures on the electrical nature of matter and Radioactivity, by Professor Jones.

VI. A course of twenty lectures by Associate Professor Acree, on physico-organic chemistry.

VII. Laboratory work: (*a*) Qualitative analysis and inorganic preparations under the direction of Professor Renouf. (*b*). Quantitative chemistry under the direction of Professor Morse. About one year is allotted to this work, and the course is so planned as to give the student familiarity with the greatest practicable variety of quantitative operations. (*c*) A course of physical-chemical measurements lasting about two months, under the direction of Professor Jones. (*d*). A course in the preparation of organic compounds, under the supervision of Professor Remsen and Associate Professor Acree. The work in this direction usually occupies about three months, and has for its object a study of the more important reactions of organic chemistry. (*e*). The original investigation of problems assigned by members of the teaching staff, the results of which—if they are found to have a substantial value for the science—may be used in the preparation of the dissertation for the doctor's degree.

As regards the time required by a graduate student to complete the work for the degree of Doctor of Philosophy, it can only be said that one who has the necessary qualifications can generally do it in three years, after following such a course as that given to the undergraduates of this university who take a three-years' course in chemistry. Those who have not had this preparation will generally require a longer time. There are no stereotyped courses leading to the higher degree, and it is impossible to say exactly what must be accomplished to attain it. What is desired is a certain maturity of mind with reference to the science of chemistry, and an ability to deal with chemical problems intelligently. This condition of mind is reached, if reached at all, by long-continued laboratory training accompanied by careful study of chemical journals and treatises. It is believed that whatever object the student may have in view, whether he intends to teach or to follow some branch of applied chemistry, the best preparation he can have is a thorough training in the pure science.

The American Chemical Journal, edited by Professor Remsen, is now in its thirty-seventh volume.

Geology

The instruction in Geology is under the direction of Professor Clark, assisted by Professors Reid and Mathews, Dr. Fassig, Dr. Swartz, and Mr. Berry.

The courses are offered to both graduate and undergraduate students and consist of lectures, laboratory and field work, and conferences upon topics of current literature.

I. Descriptive Mineralogy and Physiography.—This course includes an elementary presentation of crystallography followed by a discussion of the more important economic and rock-forming minerals. Emphasis is laid upon laboratory work which includes the study of crystal models and minerals together with the identification of minerals by means of the blowpipe. This part is open to students who have taken chemistry.

The latter part of this course includes a discussion of the important features of the surface of the earth and the consideration of the forces by which they have been produced. It is illustrated by maps, charts, and lantern views. Illustrative material is studied in the laboratory. Frequent excursions are made to neighboring points of interest where the principles of the science are illustrated in the field. Part II may be pursued independently of Part I.

II. Physical and Historical Geology.—This course is a continuation of the preceding. It comprises the study of seas, lakes, and the interior forces of the earth, including volcanoes, earthquakes, and mountain-making, together with a general discussion of historical geology. The laboratory work includes the study of the common rocks and the explanation of forms of life of the chief geological periods collected by the student. Excursions are made in the fall and spring to points of particular interest for geological study. This course is illustrated by charts, maps, lantern views, and the abundant collections possessed by the university. A knowledge of Geology I, though desirable, is not necessary for the pursuit of this course.

III. Applied Geology.—This course is devoted to a discussion of the non-metallic minerals and rocks which are worked commercially. The knowledge of geology and mineralogy gained in the preceding courses is applied to the recognition of useful minerals, their mode of occurrence, properties, values, and uses. The main sources of coal, oil, clay, building-stones, abrasives, gems, etc.; the way they are won and their economic importance are treated with more or less detail. The aim of the course is to supply such information regarding natural resources as an educated man should possess. The treatment of the technical questions of metallurgy or mining must be sought in technical schools.

IV. Paleozoology.—Attention is given both to the biological and to the geological relations of the important types of the animal kingdom, the phylogenetic history of the leading groups being traced in detail wherever possible.

V. Paleobotany.—Fossil plants will be considered from both a geological and a biological viewpoint. The course will comprise a study of the development of the successive floras throughout geological time and the comparative morphology and phylogeny of the principal plant types. This course is especially adapted to students in botany.

VI. Historical Geology.—In this course the classification and distribution of the sedimentary rocks are fully considered. The value of fossils in the determination of horizons is explained, and a detailed study made of the geological literature of the different countries of the globe.

[Courses IV and VI may be given in alternate years, if thought desirable.]

VII. Economic Geology.—This course deals with the various theories regarding the genesis of ores and other economic products, and a description of the most important mining districts.

VIII. Geological Physics.—In this course the methods of determining the size and shape of the earth; the cause of its present shape; the distribution of internal temperature; the magnetic conditions; the bearing of geological, physical,

and astronomical phenomena on the question of the rigidity of the earth; the theory of isostasy; the age of the earth; the tides; the cause of the ice-age, etc., are discussed; also, geological phenomena, which depend directly upon physical principles, such as volcanoes, earthquakes, geysers, the flow of rivers and of glaciers, the production of folds, faults, etc., will be treated.

IX. Exploratory and Geological Surveying.—The simple methods of determining geographical position; the methods of rapid route-surveying; the use of the plane-table, the camera, etc., are considered, with especial reference to travelers and explorers. The principles of map projection will be explained.

X. Geological Field Methods.—This course consists in an application of the principles by actual work in the field. Definite problems involving the mapping of areal distribution, construction of vertical and columnar sections, interpretation of structure and geological history are assigned each student, under the immediate supervision of the instructor.

XI. Advanced Mineralogy.—This course is intended to be a continuation of the undergraduate courses in mineralogy and a preparation for work in petrography. The lectures include a discussion of optics as applied to the determination of crystals, the determination of minerals in thin sections, special attention being given to the physical-chemical properties of minerals and to their behavior as constituents of rock masses.

XII. Petrography.—This course includes a discussion of methods and a description of the structures and physical properties of rocks. The second portion of the course will be devoted to the special petrography of the igneous rocks, including a study of their various classifications, and a discussion of their origin, distribution, and literature.

[Courses XI and XII may be given in alternate years if thought desirable.]

XIII. Petrography (special topics).—Courses in special

topics such as the metamorphism of rocks, physical petrography, and allied subjects, are given to such students as are qualified to take them.

XIV. Meteorology.—In this course the topics chiefly considered are: Heat and its distribution over the earth's surface; rainfall and evaporation—their distribution and effects; winds and storms; weather sequences as illustrated by the daily weather charts of the U. S. Weather Bureau; extent to which topography influences the distribution of the climatic elements; variability of climates; organization and methods in statistical meteorology.

Special Lectures.—Courses of lectures by non-resident lecturers who are recognized authorities on their special subjects are given each year. Such lectures have included the subjects of physiography, ore deposits, meteorology, terrestrial magnetism, etc.

Laboratory Work.—Laboratory courses are arranged to accompany the lectures, while advanced or special students will be given the opportunity to carry on more extended investigations upon either described or new materials.

Conferences and Student Lectures.—In order that the advanced students may be kept in touch with the most recent investigations in the science, weekly conferences are held at which the leading journals in geology are reviewed by the students under the direction of the instructors.

In order that the advanced students may also have the experience necessary for the successful preparation and delivery of class-room lectures, a course upon some phase of geology is arranged, a special topic being assigned to each student.

Field Work.—The area of the State of Maryland includes, notwithstanding its comparatively small size, a remarkable sequence of geological formations. The ancient rocks of the earth's crust, as well as those still in the process of deposition, are found, while between these wide limits there

is hardly a geological epoch which is not represented. As a result most excellent facilities are afforded for a study of the various geological horizons. Excursions to points of interest are made during the autumn and spring months.

Geological Laboratory and Library.—The geological laboratory is situated in Hopkins Hall, and comprises over thirty rooms, large and small. Here are placed the library, apparatus, and collections which are accessible to the student daily from 9 a. m. to 5 p. m.

In accordance with the custom of the university, those books relating to the work of the geological department are given into its charge, the books of general reference being retained in the university library. The geological library contains most of the journals and works of reference upon geological subjects. It consists of over 7,000 bound volumes and over 10,000 unbound volumes and pamphlets, and it now receives more than 200 current serials.

In addition to the libraries of the university, the Peabody Library, rich in geological works, is available for the use of students, while books not obtainable in Baltimore may be consulted in the libraries of Washington.

Apparatus and Collections.—The collections of the department consist primarily of a large amount of important material brought together from Maryland and adjacent States. It represents all the horizons of the State, being especially rich in crystalline rocks and in Cretaceous and Tertiary fossils. Some of this material has been described, while much awaits further study. Among the most important of the special collections are the Williams, Lewis, Krantz, Hill, Stürtz, Lehmann, and Allen collections.

State Scientific Bureaus connected with the Department.—Two scientific bureaus, established by the Legislature and maintained at the expense of the State, are carried on in connection with the geological department. They are the Maryland Geological and Economic Survey and the Maryland

State Weather Service. Professor Clark is the Director of both these organizations, which are concerned with a study of the geology and physical features of the State of Maryland. The work is carried on under his direction mainly by the instructors and students of the department. A State Forestry Bureau of which Professor Clark is Executive Officer has also been recently established.

Advantages Afforded by Proximity to Washington.— Washington is less than an hour distant from Baltimore. This renders it possible to take frequent advantage of the facilities afforded by that city, where the officers of the various scientific bureaus and societies give the students of the university every opportunity to examine the rich collections and libraries under their control.

Zoology and Botany

The work in Zoology and Botany is directed by Dr. W. K. Brooks, Professor of Zoology, assisted by Dr. D. S. Johnson, Professor of Botany, Dr. H. S. Jennings, Professor of Experimental Zoology, Dr. E. A. Andrews, Associate Professor of Biology, and assistants.

Advanced Zoology: Professors Brooks and Jennings and Associate Professor Andrews.

This course is designed for students who wish to devote themselves to zoology, and for those who select zoology as the chief subject for the degree of Doctor of Philosophy. The work is as follows:

(1). Laboratory work throughout the year. The student is required to verify the results of certain zoological memoirs, which are selected in order to illustrate the application of technical methods, as well as scientific principles, and, also, to study the collateral literature. After he has completed this work, the student is allowed more freedom in the selection of subjects.

(2). Two lectures a week by Professor Brooks on Theoretical Zoology, from October 1 to May 1.

(3). The Behavior of Animals, by Professor Jennings, three times a week, first half-year.

(4). Zoological Seminary, once a week in January and February. The work of the Seminary for the past year was based upon Brooks's Foundations of Zoology.

(5). Zoological and Botanical Journal Club, weekly throughout the year: Professors Brooks, Johnson, and Jennings, and Associate Professor Andrews. All graduate students, assistants, and instructors are expected to take part in the meetings of the journal club, and to report upon the current literature of assigned topics.

Elementary Zoology and Botany: Professors Brooks, Johnson, and Jennings, and Dr. Cowles.

The work is as follows:

(1). Two afternoons of work in the laboratory, throughout the year, in experimental zoology and in botany.

(2). Three lectures a week, from the beginning of the year to February 1, on experimental zoology, by Professor Jennings.

(3). Three lectures a week, from February 1 to the end of the year, on elementary botany, by Professor Johnson.

The work in experimental zoology comprises the study of the methods and mechanisms by which the activities of organisms are brought about, and the influence of the environment upon the organism considered in illustration of the reciprocal interaction between the environment and the organism. The work in botany comprises the study of the gross anatomy and histology and the systematic botany of selected flowering plants.

(4). Three lectures a week, with five hours of laboratory work, on Comparative Anatomy, by Professor Brooks and Dr. Cowles.

The work consists of the study of selected types, chiefly Vertebrates, and an introduction to the systematic zoology

of Vertebrates, with lectures on the principles of animal morphology.

Courses 1, 2, and 3, or 1, 2, and 4, with laboratory work five hours a week through the year, constitute a "major course" and may be offered as a subordinate subject for the degree of Doctor of Philosophy.

Introductory Course in Biology: Associate Professor Andrews and assistants.

This course, consisting of three lectures and six hours of laboratory work weekly throughout the year, is designed as part of the general education of every college student, and is open to all candidates for the A. B. degree, as well as to special students. It is regarded as essential to all students intending to take up the study of medicine, and it (or an equivalent) is required for admission to the medical department. This course may be taken without previous courses in physics and chemistry, but preparatory training of this character is strongly recommended. It is chiefly a laboratory course of two afternoons a week throughout the year, supplemented by three hours a week of lectures, recitations, and exercises designed to emphasize the more essential truths of biology. In the laboratory, each student studies with the microscope, or dissects, selected plants and animals, from the simpler, such as amoeba and yeast, to the complex, such as the fern, the frog, the flowering plant, and the rat, and the embryology of the fowl. This course may be offered as a subordinate subject for the degree of Doctor of Philosophy.

Natural History, by Associate Professors Andrews and Grave. Three lectures and six hours in the laboratory, February 1 to the end of the year.

Advanced Botany: Professor Johnson.

(1). Morphology of Plants. Two lectures and two laboratory exercises a week, throughout the year.

(2). Physiology and Histology of Plants. Two lectures and two afternoons in the laboratory from October 1 to January 1.

(3). Botanical Seminary, twice weekly through the winter term. Goebel's Organography of Plants formed the basis for the seminary work during 1906-07.

(4). Field trips weekly in fall and spring.

Courses 1, 2, and 3, with laboratory work five hours a week throughout the year, constitute a "major course" and may be offered as a subordinate subject for the degree of Doctor of Philosophy.

Students of Botany have access to the extensive herbarium and valuable library of Captain J. Donnell Smith, the Schimper herbarium, the Fitzgerald collection of mosses, the local collections of the Naturalists' Field Club, and the collection of Cryptogams of the late Dr. Humphrey, through the courtesy of the Woman's College of Baltimore.

The studies which are carried on in the biological laboratory are supplemented by work in the field and at suitable points upon the sea-shore.

One of the university fellowships is usually awarded each year to a graduate student in zoology, and, in the selection of the Adam T. Bruce Fellow, preference is given to those who have held university fellowships in zoology.

One of the graduate students in zoology may be appointed each year to occupy, during the summer months, the university table at the laboratory of the United States Fish Commission at Wood's Holl.

Whenever researches, or parts of researches, which have been carried on in the laboratory, are completed and ready for publication, the University Circular provides for the prompt publication of abstracts of the results.

Students looking forward to the degree of Doctor of Philosophy may offer zoology or botany as a principal or as a subordinate subject. If they have not already pursued studies equivalent to the undergraduate courses in this laboratory, they will be required to take these courses.

Physiology

The work in Physiology is directed by Professor W. H. Howell, assisted by Dr. P. M. Dawson, Associate Professor of Physiology, Dr. J. A. E. Eyster, Instructor, and Dr. D. R. Hooker, Assistant. The laboratory is contained in one of the buildings of the medical department adjoining the hospital, and is well equipped with facilities for demonstrations and special investigations. A course of lectures covering the general and special physiology of the animal body is given each year and is illustrated by a large number of class demonstrations. In connection with this series of lectures, a laboratory course in experimental physiology is offered, extending over a period of twelve weeks and giving the student an introduction to the methods of laboratory technique. A duplicate course, consisting of lectures and laboratory work, is arranged especially to suit the convenience of graduate students in the philosophical department. This course is given in the afternoons from January to June. The general course of lectures is supplemented by advanced lectures given from time to time upon selected topics; by the work of the physiological seminary, which meets at stated intervals for the special study of certain parts of physiology; and by a weekly journal club intended for the presentation and discussion of the material contained in the current periodicals. The details of these courses are given in the programme published each year in the University Circular.

In addition to the physiological literature contained in the library belonging to the laboratory, publications upon physiology and the related scientific branches of medicine may be obtained conveniently from the libraries of the Medical Department, the Medical and Chirurgical Faculty of Maryland, and the Surgeon General's Office in Washington.

Students looking forward to the degree of Doctor of Philosophy may offer Animal Physiology as a principal or as a subordinate subject. Those who take physiology as a prin-

cipal subject must present evidence of previous training in physics equivalent to the first year undergraduate course in this university, and in chemistry and in biology equivalent to the first and second year undergraduate courses. No preliminary requirements are made for those offering Physiology as a subordinate subject.

The laboratory is open also to special students, graduates in medicine and others, who may wish to undertake laboratory investigations, or who desire to become acquainted with the use of physiological apparatus and the methods of demonstration and research.

Greek

The graduate instruction in Greek is directed by Professor Gildersleeve, in connection with the Greek Seminary, which consists of the Director, Fellows, and Scholars, and such advanced students as have satisfied the Director of their fitness for an active participation in the work. All graduate students, however, may have the privilege of attending the Seminary exercises.

Each regular member is required to take his turn in the work of the Seminary, and special fields of research are assigned according to progress or bent.

The cycle which has been followed for a number of years is made up of the Attic Orators, Plato, Aristophanes, and the Greek Historians. For example:

1903–1904.	Greek Historiography.	1905–1906.	Plato.
1904–1905.	Attic Orators.	1906–1907.	Aristophanes.

The methods followed have been described in successive annual reports, which may readily be consulted.

The work in the Seminary during the present year was concentrated on Aristophanes; for the next year the centre of work will be transferred to Greek Historiography.

In addition to the work of the Seminary (two meetings a week), courses of lectures are given by the Director, by Associate Professor Miller, and by other qualified persons.

Undergraduate students who select the classical group of studies, are required to follow the class-work in Greek, three hours weekly through four years. The texts vary from year to year, including selections from poets, historians, and orators. Exercises in Greek composition and in reading at sight are likewise required. To extend the acquaintance of the student with Greek literature, he is obliged to read by himself certain prescribed authors, and to pass an examination upon them. An elective course of three hours a week may also be provided. The instruction of the undergraduates in Greek is conducted by Associate Professors Spieker and Miller.

The American Journal of Philology, edited by Professor Gildersleeve, has completed its twenty-seventh volume.

Latin

Instruction in Latin is given on a plan similar to that followed in the courses in Greek. The advanced work proceeds through the organization of a Seminary, of which Professor Smith is the Director. The instruction has two distinct ends in view. It aims, first, to give students a wider and more accurate knowledge of the Latin language and literature than can be secured in the ordinary college course, so that they may become more efficient teachers; and, secondly, to train them in the methods of scientific research, so that they may become independent investigators. The most important instrument of training is the Latin Seminary, which meets twice a week. Each year some author or group of authors in a given department of literature is made the centre of work. Critical methods are taught, interpretations are prepared by members of the Seminary in turn, and papers are read by them containing the results of

various special investigations suggested by the taste and proficiency of each. The subjects treated during the last four years are as follows:

1903–1904. The Roman Satire, especially Horace and Juvenal.
1904–1905. The Roman Historians, especially Livy and Tacitus.
1905–1906. The Roman Epic, especially Vergil.
1906–1907. The Roman Drama, especially Plautus and Terence.

Courses of lectures are also regularly given by the Director of the Seminary and from time to time by other qualified persons.

For example in 1906-07, Professor Smith lectured on the Roman Comedy once a week throughout the year. During the first half-year he also lectured once a week on the development of Latin Syntax, and once a week on topics concerned with the Roman Theatre. During the second half-year he gave sixteen lectures on the Roman Tragic Poets, and devoted one hour a week to the interpretation and discussion of selected elegies of Propertius and Ovid.

Once a week throughout the year Mr. Ogle met the advanced students for rapid reading of Plautus, Terence, and the Tragedies of Seneca.

The undergraduate courses are so arranged that four consecutive years of instruction are open to students of Group I. Elective courses also are offered, which may be taken concurrently with the regular class-work of the third and fourth years. Students in Groups II and III are required to pursue courses in Latin during their first and second years.

Classical Archaeology

Graduate courses in Greek archæology are given by Dr. Robinson and in Roman archæology by Professor Wilson. In 1906-07 Dr. Robinson lectured twice a week throughout the year on Pausanias and the Topography of Greece, and once a week on Strabo. He also lectured once a week throughout the year on Greek Sculpture, and once a week on

Greek Life. Once a week throughout the year Greek epichoric and dialectic inscriptions were read.

Next year twice a week Dr. Robinson will interpret Greek historical inscriptions. Once a week he will lecture on Greek vases and Greek mythology. Professor Wilson will lecture once a week on Latin epigraphy, with practical exercises in the interpretation of inscriptions from original stones and published texts. He will also lecture once a week on Topography and Monuments of Ancient Rome.

Courses in Greek and Roman life and in the outlines of Classical Archæology are also provided for undergraduates.

Sanskrit and Comparative Philology

Courses of instruction, directed by Professor Bloomfield, with the assistance of the Fellow or Scholar in Sanskrit, are provided in the Indo-Iranian languages (Vedic and Classical Sanskrit, Pāli and Prākrit, Avestan or Zend, and Old Persian), in Comparative Grammar of the Indo-European languages, in historical Ethnology of the Indo-European peoples, and in general Linguistic Science. During the sessions of 1897-99, 1901-05, and 1906-07, courses in the Lithuanian language and literature were given: instruction in one or another of the ancient languages of the Balto-Slavic (Lithu-Slavic) family will continue to figure as a regular feature of the work of the university.

These instructions aim to meet the wants of those who wish to devote themselves to the study of these branches exclusively and for their own sake, *i. e.*, those who wish to become specialists in Sanskrit Philology or Comparative Philology; and also the wants of students of languages in general, who wish to obtain a broader linguistic basis for special studies in other departments of philology.

The advanced work aims especially to meet the wants of those who wish to make Indian philology or comparative philology their special study. Instruction is given by prac-

tical exercises, lectures, seminary work, and, where possible, the use of native Sanskrit manuscripts. The seminary is furnished with a carefully selected library (including some manuscripts); this has been increased recently by the Stratton Memorial Library, a valuable collection presented by the wife of the late Alfred William Stratton (Ph. D., 1895). Approximately complete sets of the Oriental journals, as well as the journals in comparative philology, are freely accessible in the main library.

A prolonged course in Sanskrit, involving two lectures a week during two years and attendance in the Vedic Seminary for a half-year (one hour a week), is planned so as to furnish a good knowledge of Classical Sanskrit, and to include an introduction into the dialect of the Vedas. This amount of work represents material sufficient for the first subsidiary subject for the degree of Doctor of Philosophy. A course in the same study for one and a half years, involving two hours a week, is the amount required for a second subsidiary subject leading to the same degree.

A synopsis of the courses offered during past years may be presented under six heads:

I. Courses in the general principles of comparative philology, or linguistic science, and on special chapters thereof; lectures on ethnology and the history of religions.

II. Courses in the general comparative grammar of the Indo-European languages; comparative grammar of Sanskrit and Avestan; comparative study of Indo-European accentuation; comparative study of Greek, Latin, Sanskrit, and Teutonic, including vocalism, consonantism, noun-formation, and inflections.

III. The Vedic, Sanskrit, and Prākrit dialects; Rig-Veda; Atharva-Veda; literature of the Brāhmanas and Upaniṣads. The law books of Manu and Yājñavalkya; the Drama Çakuntalā and introduction into Prākrit; Hitopadeça, Kathāsaritsāgara, and Nala. Sanskrit grammar and prose composition.

IV. The Pāli language and Buddhist literature.

V. The Avestan language and the sacred books of the Avesta.

VI. The Lithuanian language and literature.

Oriental Seminary

In the Oriental Seminary, of which Professor Haupt is director, both introductory and advanced instruction is provided in Oriental history and archæology, as well as in the principal Semitic languages, *viz.*, Hebrew (Biblical, post-Biblical, and Modern), Biblical Aramaic, Syriac, Arabic (both classical and modern), Ethiopic, Assyrian, etc.; also in Sumerian, Egyptian, Coptic, Malay, Tagalog, Bisayan, Ilokan, etc. In the organization adopted in 1883, a course of three years was arranged. The centre of the work is the Old Testament, special attention being given to the critical study of Biblical texts and the cuneiform inscriptions bearing on the Scriptures. Professor Haupt is assisted by Associate Professor Johnston and other competent instructors.

The various courses are adapted to the requirements of four classes of students, namely: (*a*) students of theology wishing to obtain a thorough acquaintance with the sacred tongue and its sister idioms as a means of elucidating Scripture and problems of the comparative history of religion; (*b*) students of linguistics intending to make comparative grammar of the Semitic languages their specialty; (*c*) students of Oriental history and archæology desirous of drawing directly from the original sources; (*d*) persons looking for instruction in the living Oriental languages (as modern Arabic, Turkish, Persian, Amharic, Malay, Tagalog, etc.) for practical purposes.

In these various courses, the Seminary method is followed throughout, the student being from the first brought face to face with the several idioms, without long theoretical introductions. Stress is laid on a thorough grammatical training, imparted in connection with the minute philological analysis of some selected text in the respective languages, or by written exercises in translating from English into Hebrew, Arabic, Syriac, and Ethiopic, or from Hebrew and Arabic into Assyrian, and from Assyrian into Sumerian, etc., printed

grammars serving only for occasional reference. There are also exercises in Hebrew conversation.

A room has been set apart containing a well-equipped working library for all the branches of Oriental research (including the library of the late Professor A. Dillmann, of Berlin, the Leopold Strouse Semitic Library, a special collection of works on the dialects of the Philippine Islands, etc.), and some advanced students are usually present to help in the preparation for the recitations conducted by the Director of the Seminary, and to furnish any other aid that may be desired. Near the Dillmann Library, on the same floor, are some archæological and antiquarian collections, including the Cohen Collection of Egyptian Antiquities, the Sonneborn Collection of Jewish Ceremonial Objects, collections of Hebrew and other Oriental manuscripts, Babylonian seal-cylinders and clay tablets, etc.

English

The instruction in English is given by Dr. James Wilson Bright, Caroline Donovan Professor of English Literature, Dr. William Hand Browne, Professor of English Literature, Dr. Herbert Eveleth Greene, Collegiate Professor of English, and Dr. John Calvin French, Instructor in English. Graduate and collegiate courses are provided in conformity with the principles followed in the other language departments. Advanced students are instructed in the technical aspects of linguistic and literary science, and trained in the processes of original investigation.

GRADUATE COURSES

The advanced courses in English are so arranged as to enable a student, in three or four consecutive years, to study with precision all the important departments of grammar and of literature. Instruction is imparted by lectures, by freer conferences, by the methods of the Seminary, and by

class-room recitation. The Seminary (four hours a week) constitutes the chief organ of instruction and research. It supplies means for the inculcation of what is presented in the lectures, and for organized and prolonged concentration of effort on selected subjects. Usually the work of the Seminary centres each half-year in a different period of the literature, ranging from Anglo-Saxon times to the present century. The literature of the period studied is investigated as to its sources, the history of its forms and traditions, and its artistic value; and linguistically the period is studied in its relation to the history of the language. The members of the Seminary also meet fortnightly as a Journal Club, chiefly for reviewing the current philological (linguistic and literary) periodicals and recently published books and monographs. As supplementing the lectures and the Seminary, classes are organized for special training in textual criticism, for the reading of the poets, and for the discussion of the canons of literary criticism. Weekly conferences and informal lectures furnish an opportunity for the discussion of many topics not provided for in the regular courses of the year; these hours are in part occupied by lectures given by the students, that they may thus acquire experience in the more formal presentation of the results of special study.

COLLEGE COURSES

1. *Rhetoric and English Composition.* In this course, which is required of all undergraduates, the principles of good writing are inculcated. The use of text-books is supplemented by lectures and discussions, by weekly practice in the writing of short papers, a few of which are read and criticised in the class-room, and by the writing of longer papers, which are read and criticised privately with the writers. During the first half-year the study is directed to the elements of style—the word, the sentence, and the paragraph. The weekly practice in writing is combined with an examination of the usage of standard writers. During the second half-year the various forms of composition—description, narra-

tion, exposition, and argument—are studied and practiced; the work also includes a critical study of standard prose in its various forms. An additional course in English Composition is prescribed during the second year; but students who have attained a creditable rank in the work of the first year are excused from this course. Elective courses in description and narration and in exposition and argument are provided for students who wish further training in the art of writing.

2. *Public Speaking.* A course in reading and platform speaking, which is required of all undergraduates, affords training in breathing, enunciation, and expression. The work is made as practical as possible and is individualized by the division of the class into small sections, each of which meets once a week. Parliamentary procedure and the theory of argumentation, with frequent practice in debate, are studied in a course in forensics, required in the third year. Further practice in debating is provided in connection with an elective course in exposition and argument, and in the annual inter-class and inter-collegiate debates.

3. *English Literature.* The prescribed course in Rhetoric is followed by an introductory course in English Literature. This course is prescribed for students in the second year; and for those who may wish to continue the study, provision is made in elective courses covering the most important periods of English and American literature. These courses are for students in Groups I, III, IV, and V, — those who are not making a special study of the subject, but who wish such acquaintance with it as may be regarded as a necessary part of a liberal education. The aim of the instruction in these courses is to give the student an outline history of English Literature, to teach him to read intelligently and with insight, and to lead him to read widely in the works of the more important writers.

Special courses are provided for those undergraduates whose studies are directed more particularly to modern languages and their literature (Group II, Third and Fourth Years).

Group II—Third Year. This course (three hours a week, throughout the year) presupposes a fair knowledge, derived from previous courses, of the literature down to and including Shakespeare. It covers the drama of Ben Jonson and his followers, the writers of the time of the Restoration, Dryden and the French school, and the "classical" period down to 1770. Thereafter (in the second half-year) is taken up the rise and prevalence of "romanticism" in its various aspects, and the development of the novel and romance down to recent times.

Group II—Fourth Year. This course deals especially with the English Language, its history and changes, and with the early poems of the literature. During the first half-year (three hours a week) Anglo-Saxon is studied, with Bright's *Anglo-Saxon Reader* as text-book. During the second half-year (three hours a week) the language is taken up at the point where it emerges after the Norman Conquest; and the course includes writers from the middle of the twelfth century to Chaucer. One hour a week is given to the study of the Early Scottish poets of the fourteenth and fifteenth centuries.

German; Germanic Philology

The graduate work in this group of studies proceeds, on a basis of similar preparation, in two different directions, converging finally towards a common goal. The courses in Germanic philology have to do primarily with the earliest linguistic monuments of the Teutonic nations, and with the ascertainable structural relations of Germanics to the cognate languages of the Indo-European family. They are accordingly intended not only for students of German, but also as auxiliary studies for students in other language departments. This part of the work is in charge of Professor Collitz.

The courses in German include instruction in the language and literature of all periods of German proper, together with

occasional classes in Old Norse and in Dutch. This work is under the direction of Professor Wood, with the assistance of Associate Professor Vos, Dr. William Kurrelmeyer, and Mr. Julius Hofmann.

In the German Seminary, which is conducted by Professor Wood, nearly equal attention is devoted to modern German literature and to that of the older periods. To enter upon the work of the Seminary in the literature of the classical period, the student should possess a knowledge of German equivalent to that imparted in the undergraduate courses hereinafter mentioned, supplemented by private readings. For the seminary work in the older literature, it is necessary, in addition, that a preliminary course in Middle High German should be first completed, and this may be taken with advantage by the student immediately upon entering. All graduate students of German are required to share in both the philological and the literary work, and to direct their efforts to the attainment of broad results, which may serve as the foundation of scientific work and of successful teaching; but the Seminary and the allied graduate courses are believed to offer also sufficient opportunity and encouragement for the prosecution of chosen lines of work, whether on the linguistic or the literary side, in accordance with individual capacity or bent. In this way, opportunity for independent research is afforded, within the framework of organized effort directed towards the attainment of results which concern the Seminary as a whole, and towards which each member is expected to contribute his share.

The subjects selected for the Seminary during recent years are as follows:

1902–1903. German Literature in the Eighteenth Century; Walther von der Vogelweide.
1903–1904. Goethe's Faust.
1904–1905. Goethe and Schiller (1786–1805); Minnesangs Frühling.
1905–1906. Storm and Stress and Early Romanticism; Walther von der Vogelweide.
1906–1907. Goethe's Lyrical Poems; Nibelungenlied.

The Germanic Society meets fortnightly, under the direction of Professors Wood and Collitz, and supplements the work of the German Seminary and of the more special courses in Germanic philology. Before it are presented not only reports on articles in current journals, but also successive results of studies by the members. The chief object of the Society is to foster and guide the aptitude for more sustained individual investigation than the collective work of the Seminary offers scope for. Lists of the more important papers presented are given in the yearly reports.

In addition to the work of the Seminary (three meetings a week), other advanced courses are given. For example, in 1905-1906, Professor Wood gave courses in Gothic and Germanic Mythology, and lectured on the beginnings of German classicism. Dr. Vos conducted classes in Old High German, in Middle High German language and literature, and in Modern Dutch. A course on the German Novel in the Seventeenth Century was given by Professor T. S. Baker, of the Jacob Tome Institute.

The undergraduate work in German is differentiated with reference to those who have offered modern languages and those who have offered Greek for matriculation.

Students who have matriculated in modern languages enter at once upon German Course 1, four hours weekly, during the year, a course required of all undergraduates other than those who have matriculated in Greek. The reading consists in the main of modern narrative prose. Private readings and weekly exercises in prose composition supplement the class readings.

Upon the completion of German Course 1, undergraduates in Group II, or undergraduates in any of the other groups who elect German, pursue the study three hours weekly, during a second year, in German Course 2. The readings are chosen from representative classical authors, and instruction is given also in the writing of German prose.

German Course 2 may be followed by German Course 3, three hours weekly, during the year. The readings from

the classical period are here continued in texts of greater difficulty, and instruction is given in the history of German literature. German Course 4 consists of readings in Modern German Drama (Kleist, Grillparzer, Hebbel), three times weekly.

For students who have matriculated in Greek, a course in the Elements of German is provided, four hours weekly, for one year. While no knowledge of German is assumed for this course, previous training in the language renders rapid progress in grammar possible. This study is followed during the rest of the year by prose readings, supplemented by elementary prose composition. Successful completion of the German Elements absolves the requirements in German for those who have matriculated in Greek, but the student may, if desired, continue his study of the language in German Course 1.

An elective course in scientific readings is open to undergraduates who are preparing to enter the medical department.

Classes are also provided in conversational German and in historical and scientific reading for graduates who lack the ability to read the language at sight.

Romance Languages

Advanced instruction in the Romance Languages is so planned as to cover at least three years, and is directed by Dr. A. Marshall Elliott, Professor of Romance Languages, with the assistance of Associate Professors Marden, Armstrong, and Ogden, and others. The subjects of instruction are divided into three distinct sections: a purely linguistic, a purely literary, and a composite group which is intended to unite the first two. Every one who intends to take a degree in Romance Languages, must work in these three lines, which are arranged to supplement one another according to the attainments and bent of the student, and which are con-

centrated, for given periods of the course, on the same linguistic domain. The first year is spent chiefly in preparation for seminary work, to which the student is generally admitted, as an active member, toward the end of the year. During this preliminary period a practical knowledge of the principal Romance languages is acquired (a thorough acquaintance with Latin and modern French being pre-supposed), if the student does not already possess such knowledge; a brief survey is given of the history of the science, together with an introduction to the use of scientific methods in language and literature. With this equipment the student is prepared to begin an appreciative scrutiny of special texts with their critical linguistic and literary apparatus. He is taught to handle his materials with discriminating judgment, and, according to his progress, subjects are assigned to him for report and investigation which tend to develop the patience and accuracy necessary to a careful worker. In literature, as in language proper, particular attention is given to the origins, while constant reference is made, by way of comparison, to the modern forms. By extensive reading, required in connection with the subjects taken up, he is familiar with the different phases of opinion held by leading European scholars concerning these subjects, and he is thus enabled to control certain parts of his work within well-defined limits. After the first year the student is expected to concentrate upon some single line of work within his general field. It will be observed that the student's work in this course is comparative, and that he moves from the general to the particular. In the early part of it, the object is to give a broad basis to work on, by making him so familiar with the principal Romance idioms that he may use them readily, by way of illustration, in his subsequent studies. Dialect study, phonology, and critical literary work are made important features of this plan of studies.

The subjects to which attention has been given in the Seminaries in past years are as follows:

1903–04.	French:	a. Marie de France: *Fables.*
		b. The French Theatre in Nineteenth Century.
	Spanish:	*Libre de Apollonio.*
	Italian:	The Earliest Monuments of Italian Literature.
1904–05.	French:	a. Marie de France: *Fables.*
		b. Genesis of the modern Lyric Capital in French Literature.
	Spanish:	*Libre de Apollonio.*
	Italian:	The Decameron of Boccaccio.
1905–06.	French:	a. Marie de France: *Fables.*
		b. The Schools of Poetry of the Nineteenth Century.
	Spanish:	The Prose Works of Alfonso el Sabio.
1906–07.	French:	a. Marie de France: *Fables.*
		b. Romantic and Philosophic Schools of Poetry of the Nineteenth Century.
	Spanish:	The Poems of the *Mester de Clerecía.*

In addition to the work of the Seminaries, lectures are regularly given: (1) on French Phonetics, physiological and historical, (2) on French syntax, (3) on Romance morphology, (4) on French dialects, (5) on Dante, (6) on Old-French palæography, (7) on the history of French Philology, (8) on the sources of Romance Philology, (9) on Popular Latin, (10) on Italian philology and literature, (11) on Spanish philology and literature, (12) on Old-French literature, (13) on Modern-French literature, (14) on Romance versification, (15) on Methodology of the Romance languages, (16) on French palæography, (17) on Classical-French literature.

The special lectures on the French, Italian, and Spanish literatures are arranged to run through the whole period of three years, and form the most essential part in the training of the student.

Modern Language Notes, of which Professor Elliott is the editor in chief and which is now in its twenty-second volume, is issued monthly by members of the English and Romance departments; in this are presented the most recent aspects of linguistic and literary research in the modern idioms.

The undergraduate classes in French are conducted by the

Associates of the department, under the direction of the head of the department. Students in Group II, who elect French, follow class work for three or four hours weekly through four years, during which time they read extensive selections from Modern-French and Classical-French texts, and receive a thorough drill in grammar, composition, and pronunciation. Lectures on French Literature and on French Life are given in the advanced classes, and private reading is required of all classes. Two-year courses in Italian and Spanish, similar in arrangement and requirements to those in French, are also provided for undergraduates.

History

Advanced instruction in History and in methods of historical research is offered to graduates, or to special students of mature years, if qualified by ability and previous studies to pursue such courses. The work is planned to develop the spirit of original research, and this end is attained not alone by lectures, but also by individual advice and by the constant association and co-operation of students and instructors in special conferences. The best results of original inquiry are usually published in the "Johns Hopkins University Studies in Historical and Political Science." Avenues of publication have also been found hitherto in the leading historical and economic journals.

GRADUATE COURSES

Professor John Martin Vincent lectures to graduate students on the history of Europe and on the methods of historical investigation. The courses direct attention to the social, economic, and constitutional development of European peoples. The subjects follow in consecutive order, the topics for each year forming a complete and independent group. The whole series of courses requires three years for completion

and offers opportunity for close study of selected portions of the Mediæval and Early Modern History of the Continent and England. The lectures on historical research discuss in detail the various materials of history and the methods by which these are tested and used. Dr. Vincent also conducts a seminary for the study of selected historical problems. The work of the students is subjected to criticism in order to promote facility in research and develop historical judgment.

Professor Charles M. Andrews lectures to graduate students on the Constitutional History of England, the course extending over a period of three years. The treatment allows for a consideration of closely allied institutional and economic aspects of the subject and furnishes an opportuuity for wide reading and a certain amount of individual investigation of selected problems. Professor Andrews lectures also on the history of British colonization in America, covering the British colonial and imperial systems and the economic and constitutional growth of the colonies in America. This particular field offers an excellent opportunity for independent investigation on the part of the students. Every third year Professor Andrews lectures on non-American contemporary history, particularly since 1871, for the purpose of arousing interest in the historical aspects of recent events and of showing some of the characteristics of modern political, social, and economic life in other countries than America. He also conducts a seminary in English constitutional and economic history and in American colonial history, which is designed to supplement the lecture courses on these subjects. In the seminary, texts, source-materials, bibliography, and the results of private investigations constitute the leading features of the work, which is largely individual in character.

Dr. James Curtis Ballagh, Associate Professor of American History, acts as an adviser to graduate students and lectures, in successive years, upon connected topics in American colonial history, American institutional history, United States constitutional and political history. He also conducts

The work centres in the Economic Seminary, the membership of which is limited to the most advanced students, and the primary design of which is to develop scientific research in economic study and investigation. The present field of research is the history, structure, and function of labor organizations in the United States. Individual members are assigned specific aspects of the labor question for study and investigation. In each of such cases, the immediate environment is first studied; thereafter examination is made of conditions in other typical communities until sufficient data for reasonably safe generalizations are obtained. Members of the Seminary showing special capacity for economic investigation in other fields than that selected for collective study are encouraged to continue their inquiries and to present the results for criticism as to method and content.

Formal graduate instruction is offered in Economic Theory and in Applied Economics, by parallel courses of lectures throughout the year. The particular topics treated vary from year to year. In 1905-06, Professor Hollander lectured two hours weekly on economic thought before Adam Smith, and the interpretation of Ricardo, and two hours weekly on the theory and practice of exchange with particular reference to the institutions of the money market. During the present year, attention has been given, in the course on economic theory to a careful survey of the principles of political economy. In the course on applied economics, careful study has been made of American municipal finance. Dr. Barnett has lectured during the first half-year on the development of enterprise, and during the second half-year on industrial corporations. Courses of lectures were given during the year by Mr. John M. Glenn, President of the Board of Supervisors of City Charities, on Problems of Relief; by Mr. Clayton C. Hall on The Theory and Practice of Insurance; and by Mr. Logan G. McPherson on Railway Legislation.

While primarily designed, as has been noted, for the needs of students preparing for a scientific career in the field of

political economy the instruction offered is of material service to persons looking forward to practical social work, or proposing to enter the public service, the professions of law and journalism, or desirous of equipping themselves for a large and generous citizenship. With this in view, particular attention is paid to recent industrial and financial developments in the United States. Proximity to Washington offers special facilities for study and investigation in these directions, and efforts are made to profit by close acquaintance with and actual use of the important resources there existing.

UNDERGRADUATE COURSES

The undergraduate instruction in political economy is given by Professor Hollander and Dr. Barnett. It is designed not only to prepare elementary students for the advanced courses described above, but also to contribute to a liberal education that fund of information and that mode of thought which will permit young men, in whatever walk of life engaged, to interpret and to appreciate the economic activities of human society.

The method employed is class-room instruction from required text books, supplemented by lectures, collateral reading, written reports, and periodic examinations. The course of instruction covers three years. In the first year, the economic development of England and general economic theory are studied. In the second year, the development of economic thought is studied, and attention given to money, credit, labor unions, and corporations. In the third year, attention is directed to the chief methods used in statistical inquiry, and to the theory and practice of finance.

Political Science

The graduate work in Political Science, conducted by Professor Willoughby, has for its primary aim the preparation of advanced students for professional and original work in the fields of Constitutional Law, International Law and Diplomacy, and Political Philosophy, and seeks also to supply the necessary training for those desiring to enter the higher branches of the public service, as well as to furnish a broad and philosophical equipment to those who expect later to pursue the study and practice of the law.

The work is so arranged as to give three years of continuous instruction.

Seminary. In addition to the Historical and Political Science Association, at which the advanced work of the students and papers by the instructors and invited speakers are presented and criticised, a Seminary is held weekly, at which reports upon special topics, prepared by the students, are read and discussed. During the past two years unsettled points in international and United States constitutional law have been specially considered.

The lectures are divided into six courses, each two hours weekly, two courses being given each year. These courses, though complete in themselves, are so arranged that the first three give a comprehensive treatment of United States and foreign Constitutional Law, while the last three together cover the entire history of the development of political ideas. The courses are as follows:

(1) *Comparative Public Law.* The theory of the State, the general principles of constitutional and international law, and the more difficult points in the systems of constitutional jurisprudence of the modern European states are discussed. Especial attention is given to composite forms of state life.

(2) *Advanced American Constitutional Law.* For this work a general knowledge of United States political history and constitutional law is presupposed, the lectures being de-

voted to a discussion of the more perplexing and unsettled points in our constitutional jurisprudence, and the illustrations being drawn largely from the recent and current decisions of the United States Supreme Court.

(3) *The Legal Aspects of Economic and Industrial Problems.* In this course the chief legal points involved in the state regulation of public and private employments are discussed. Among the particular topics treated are: eminent domain, the police power, taxation, interstate commerce, factory legislation, capitalistic combinations, labor unions, strikes, boycotts, industrial arbitration, bankruptcy, legal tender.

(4) *History of Ancient and Medieval Political Theories.* The political ideas and ideals of these times, as revealed in literature, law, and political practice are analyzed and criticised. Especial effort is made to show the extent to which these theories have been the outcome of the objective conditions and general intellectual characteristics of the times in which they have been formulated.

(5) *History of Modern Political Theories to the Nineteenth Century.* A continuation of the preceding course.

(6) *History of the Political Theories and Literature of the Nineteenth Century.* A continuation of the preceding course.

Mr. Henry Jones Ford gives a course of one hour weekly through the year, entitled *The Theory and Practice of Politics.*

In this course general principles are applied to the interpretation of practical politics. The questions considered are raised by instances drawn from the events of the times, and the bearing of political theories upon them is examined. Several lectures deal with the problem of social origins, the natural history of the State, and the laws of political development. Constitutional tendencies in federal, state, and municipal government are considered with special regard to the working of these institutions in actual practice.

Undergraduate instruction in Political Science is given in connection with the undergraduate historical and economic courses.

Philosophy and Psychology

Graduate Courses

The graduate work of the department falls into two divisions, according as the student specializes in Philosophy proper or in scientific and experimental Psychology. It is expected that courses allowing work for a degree with Education as principal subject will soon be arranged. Within these two divisions many special topics are treated. In each division the work is planned to cover three years. The arrangement by years is mainly for convenience; it is not of the nature of a curriculum. The courses are offered to stimulate and aid the student in the work of investigation. Whether, and when, the candidate shall take the degree of Doctor of Philosophy, under the university regulations, depends upon his success in the prosecution of a piece of research.

In the division of Philosophy, the first year offers courses in General Psychology, Social Psychology and Philosophy, and Theory of Evolution and Comparative Psychology,—these topics being a necessary foundation to the more detailed work of later years. In the division of Psychology, a training course in Experimental Psychology is added to the work of division I.

In the second year, more special work of research is carried on. In Philosophy, the Theory of Knowledge becomes the central topic. History of Philosophy and Ethics are given, and a variety of special topics is presented in which the student has various alternatives opened for his own research. In the Psychology division, the research courses in Experimental Psychology in the laboratory are central, the Theory of Knowledge is associated with it, and again a variety of special topics allows choice of subjects allied to the main problem of the particular student.

In the third year, the Seminary and Laboratory courses are the centre of the work, in the two divisions respectively, the student being expected to give most of his time to work on the topic of his dissertation. In this last year, the professors

devote themselves to the direction and development of the students' investigations A Graduate Conference meets weekly. Throughout the entire course the seminary and laboratory methods of instruction are preferred to that by formal lectures.

Professor Baldwin is the Director of the Philosophical Seminary, and Professor Stratton, of the Psychological Laboratory. The Seminary room, containing the department library, in Levering Hall, and the Laboratory, situated in the biological building, are in full working order. The library has the use of the large collection of journals and files of current serials belonging to the Director.

The distribution of topics among the staff is as follows: Psychology (except experimental), Theory of Knowledge, and General Philosophy are treated by Professor Baldwin; History of Philosophy and Ethics, by Professor Griffin; Experimental Psychology, by Professor Stratton, Dr. Dunlap, and Dr. Burrow.

The additional special topics treated in the year 1906-07 are Greek Philosophy, by Professor Dewey; Educational Psychology, by Professor Baldwin; Vision and Symbolic Logic, by Mrs. Franklin; the Cerebral Cortex, by Dr. Farrar; History of American Philosophy, by Dr. Riley.

UNDERGRADUATE COURSES

Courses in Logic, Ethics, and History of Philosophy are given by Professor Griffin, and in Psychology by Professor Griffin and Professor Stratton. All candidates for the degree of Bachelor of Arts are required to follow course 1, during the last year of residence.

1. *a.* Deductive and Inductive Logic.

Creighton's Introductory Logic is used as a text-book, with references to the works of Jevons, Mill, Bain, Keynes, and other writers.

b. Psychology.

Baldwin's Elements of Psychology is made the basis of instruction; the subject is presented also through informal lectures and discussions, and by means of passages in various authors assigned for reading. A series of

lectures and demonstrations on physiological and experimental psychology is included in the course. One essay on an assigned subject is required from each member of the class.

c. Ethics.

The subject is taught by lectures, recitations from a text-book—Mackenzie's Manual of Ethics being used at present,—and references to the works of the most important writers.

2. Outlines of the History of Philosophy.

Rogers's Student's History of Philosophy, Weber's History of Philosophy, and other works of reference, are used as the basis of lectures, discussions, and recitations.

3. Experimental Psychology.

This course is intended as an introduction to the problems and methods of psychological experiment.

Drawing

1. Freehand Drawing.

The instruction aims to impart such knowledge of the principles of drawing as shall best serve to educate the eye and train the hand. Students looking forward to the study of medicine or biology will find this course of value in the illustration of lectures and laboratory work.

Three hours weekly, through the year. Mr. Whiteman.

2. Descriptive Geometry and Mechanical Drawing.

This course is offered to students who intend studying engineering. The elements of descriptive geometry are first taken up and the principles of orthographic, scenographic, and isometric projections are worked out. Advanced work in descriptive geometry is taken up later.

Three hours weekly, through the year. Mr. Whiteman.

Public Speaking and Debate

A course in reading and platform speaking is required of undergraduate students in their second year. For the sake of convenience in instruction, the class is divided into several small sections, to each of which is devoted one hour a week. A course in debating, which involves the study of parliamen-

tary law, the collection and arrangement of material, and frequent practice in debate under the direction of an instructor, is assigned to students in their third year. The work of the two years is counted as a half-course. During the fourth year opportunity for a more detailed study of the art of debate and for practice in argumentative composition is open to those who desire it. Prize contests in public speaking and in debate are held annually, and one intercollegiate debate is, as a rule, undertaken each year.

Physical Training and Athletics

The authorities of the university, recognizing the importance of systematic physical exercise, under suitable advice, have placed the gymnasium under the charge of Dr. Ronald T. Abercrombie, and have practically put the work of this department on a par with the work done in the regular courses of study.

A careful physical and medical examination is made of each undergraduate, and such exercises are prescribed as are best suited to his needs. During his first year of residence, he is required to follow the prescribed gymnasium course, which includes also his attendance on a few lectures on hygiene. Regular class instruction is given every afternoon from five to six o'clock. The use of the gymnasium is optional in the case of graduate students, but is offered to all members of the university upon the payment of the usual locker fee.

The gymnasium is a new building, 127 feet long by 35 feet wide, and is provided with convenient lockers, baths, etc., as well as with the newest forms of apparatus. Adjoining the gymnasium proper is a "cage"—an enclosed and covered space for practice in running and in athletic sports—127 feet long, 66 feet wide, and 30 feet high. The Homewood Athletic Field will be ready for outdoor sports by October, 1907.

In order to prevent ill-advised participation in outdoor sports, and to guard against over-indulgence in training, the athletic teams of the university are under the control of the director of the gymnasium. No student is allowed to become a member of a team unless his physical condition is satisfactory, and no student is allowed to be a member of, or a candidate for, an athletic team, who is seriously deficient in his studies.

REGULATIONS GOVERNING THE DEGREE OF DOCTOR OF PHILOSOPHY

[Adopted by the Board of University Studies, February 26, 1898, and revised December 4, 1901.]

The degree of Doctor of Philosophy is offered to students who have followed advanced courses of university study for a period of not less than three years, under suitable guidance and favorable conditions, and who have submitted an acceptable dissertation and passed the prescribed examinations.

In order to be accepted by the Board of University Studies as a candidate for the degree of Doctor of Philosophy, the student must give evidence that he has completed such a liberal undergraduate course of academic study antecedent to the baccalaureate degree as is offered by colleges of good standing.

He must then follow advanced studies in the departments of knowledge which he may have chosen, and these studies must be pursued without serious distractions, under qualified teachers, for a period of at least three years. Private study, or study pursued at a distance from libraries and laboratories and other facilities, will not be considered as equivalent to university study.

The Board reserves the right to decide in each case whether the antecedent training has been satisfactory, and, if any of the years of advanced work have been passed by the candidate away from this university, whether they may be rightly regarded as spent in university studies under suitable guidance and favorable conditions.

In order that students may receive the definite counsel of the proper authorities with respect to their future course, they are advised to offer themselves as "candidates" for this degree as soon after entrance as their purposes are formed. At least one academic year must be passed in this university, and in

every case the year immediately preceding the final examinations. *

Correspondence on the foregoing matters should be addressed to the Registrar of the University.

Requirements for the Degree

Every candidate for the degree of Doctor of Philosophy must select one principal and two subordinate subjects, the combination to be approved by the Board of University Studies. These must be pursued without serious distraction and under the general direction of the professor in the principal subject of study, who is the official adviser of the candidate. The student must prepare a satisfactory dissertation, and must pass with credit certain written and oral examinations in his chosen departments of study.

Acceptance of the Candidate

A student wishing to be considered a candidate for the degree must make formal application to the Board of University Studies to be enrolled, and must be accepted by the Board at least an academic year† in advance of the time when he expects to present himself for examination in his principal subject. A blank form is provided for the purpose. After filling out this form, the student must present himself before the examiners in French and German at one of the stated examinations in these subjects. When their certificates are affixed to his application, he is to obtain the signatures of approval of the professors in the department concerned. The application, thus completed, is then to be presented to the Board for its final action.

* In case a student has complied with all the conditions and has practically completed his preparation for the final examinations, but is prevented by good reason from presenting himself, he should ask the Board to appoint a later day for his examination.

† The acceptance of a candidate by the Board at its October meeting is regarded as an acceptance at the beginning of an academic year.

Requirements in French and German

a. The candidate must be able to translate French and German at sight. Familiarity with journals and monographs pertaining to his principal department of study will satisfy this requirement.

b. Examinations are held in these languages at the middle and end of each academic year, at one of which times the candidate must present himself. In October there is provided a special examination for students not connected with the university during the previous academic year.

c. Students who have not acquired a reading knowledge of these languages before engaging in graduate study, are advised to pursue a course organized for that purpose during their first year. Absolving the class examination at the end of this course will be construed as satisfying this requirement for the degree of Doctor of Philosophy.

Requirements in the Subordinate Subjects

The subordinate subjects are of two grades, and are known respectively as the first subordinate and the second subordinate. Each of these subjects shall be followed by the candidate for a portion of his time, during at least one year of graduate study.

It is impossible to define with precision the amount of time to be devoted to the subordinate subjects. In general, however, it may be stated that the two subordinate subjects, taken together, should represent one year's work, two-thirds of this time being devoted to the first subordinate subject.

Dissertation

a. The dissertation must be written upon a theme approved by the adviser of the candidate, and must be completed and submitted to the Board at least four weeks before the written examinations in the principal subject are held, unless the adviser recommends a later date. The dissertation must

be legibly written, or type-written, or printed, then paged and bound, in accordance with the instructions given below. The copy thus prepared is to be placed on file and become the property of the university. Before proceeding to prepare this copy, the candidate must confer with the Registrar, who will show to him a model exhibiting the kind of paper to be used and the general style of binding to be followed. On the back of the cover shall be placed the word dissertation, the name of the author, the date, and, if possible, the title of the dissertation. The title page shall contain the words *Dissertation submitted to the Board of University Studies of the Johns Hopkins University in conformity with the requirements for the degree of Doctor of Philosophy,* in addition to the title, the name of the author, and the date.

b. The Board shall designate two or more referees, who shall present a written report on the dissertation,—said report to be filed. In the intervals between the sessions of the Board, the President shall have power to appoint the referees.

c. The candidate shall print the dissertation in full or in part,—if in part, to the extent of not less than twenty-four octavo pages, and these twenty-four pages may contain either an abstract or a section of the dissertation,—under the supervision of his adviser, within on year from the time when the degree is conferred, and shall present one hundred and fifty copies of the work to the university. A biographical sketch of the author shall be appended to the dissertation in both its manuscript and its printed form.

d. If the required number of printed copies have not been presented to the university, a deposit of $50, to insure the printing within the specified period, shall be made by the candidate at the treasurer's office before the degree is conferred. This deposit shall be returned to him when the printed copies are presented to the university.

e. If the required number of printed copies shall not be presented to the university within the specified time, the Board may declare the deposit forfeited, and may apply the amount in printing such portions as the adviser may deem proper.

Examinations

a. The candidate shall be given written examinations in the principal subject and, wherever practicable, in both subordinate subjects, and an oral examination before the Board in the principal and in the first subordinate subject.

b. The candidate shall be permitted to take the written examinations in both the first and second subordinates at the end of the respective years in which the courses in these subjects were completed, or whenever he is ready, at the discretion of the examiner.

c. The professors in the several departments of study shall prepare written reports on the result of the examinations. These reports, together with the questions and answers, shall be laid before the Board at the oral examinations and the reports filed.

d. In the written examinations no one session shall exceed five hours.

e. In the oral eaxminations before the Board, the time allotted to each examination shall be one hour, and three-quarters of this time shall be devoted to the principal subject.

Conferring of Degree

The names of the candidates found worthy of the degree will be submitted to the Board of Trustees, and with their approbation the degree will be publicly conferred.

COLLEGIATE INSTRUCTION

The Johns Hopkins University makes ample provision for collegiate instruction. The courses offered to undergraduates are maintained with no less care and thoroughness than those intended for advanced students; many of the most experienced members of the academic staff co-operate in the conduct of them. No small part of the influence and usefulness of the university is in connection with the collegiate classes, in which, since 1876, about nineteen hundred students have been enrolled.

Certain features of organization and administration have contributed to the effectiveness of the undergraduate work. The scrupulous observance of the distinction between the disciplinary methods appropriate to college teaching and the freer methods of advanced instruction; the "group" arrangement of studies, combining a reasonable liberty of choice with a sufficient exercise of authority; the facilities afforded young men of superior capacity for carrying their studies beyond the requirements of graduation; the influence upon younger pupils of the presence of a large body of graduate scholars conducting investigations in all the great departments of learning:—these conditions have proved favorable to the development of earnestness and scholarly devotion.

ARRANGEMENT OF COURSES

Upon admission to the university, an undergraduate student is assigned to an Adviser (see page 196), and under his guidance is expected to select a scheme of studies composed of courses more or less connected. In order to help the student in this selection five groups of studies are organized, details concerning which are given below. Having once made a choice, a student may not change his group except with the consent of his Adviser and with the approval of the Executive Committee of the Board of Collegiate Studies.

In the formation of the various groups, the effort has been made to combine such studies as shall give the student the essential elements of a liberal education, and, at the same time, special training in certain coördinate subjects. By this method the student is not bound to a particular routine of work for which he may feel no especial inclination, nor yet is it possible for him to waste his time and attention by the injudicious selection of wholly unrelated subjects. In all the groups provision is made for certain studies prescribed for all students who are candidates for a degree, and for certain other studies peculiar to the individual group.

By reference to the detailed statement of each group given on pages 186–190, it will be seen that the courses of the first two years are prescribed, but that in each of the last two years there are but one or two prescribed studies. In each of these last two years, therefore, a student may, subject to the provisions already noted, elect four courses. With the approval of his Adviser he may select any courses which he is prepared to enter.

The following is a general statement of the characteristic features of each group :

Group I. Ancient Languages

In Group I the emphasis is laid upon Latin and Greek, each of which is studied for at least two years. In the last two years

the courses are so arranged that the student may continue the study of these languages, or, if he desires, may devote himself to the study of History, Modern Languages, or Science.

Group II. Modern Languages

In Group II the study of Latin is continued for two years, but the literary training of the student is based chiefly on the study of English, French, and German, with Spanish and Italian if desired. In the later years the courses are arranged so as to permit the student to continue the study of Modern Languages, or to give his attention to History or Science.

Group III. History and Political Economy

In Group III the study of Latin is continued as in Groups I and II, but the student devotes the greater part of his time to History and Political Economy. He may continue these studies during the last two years, or he may take advanced courses in Latin, Modern Languages, or Science.

Group IV. Mathematics and Physics

In Group IV the training of the student is based upon the study of the exact sciences rather than upon language and history. Mathematics and Physics are studied for at least two years, and the student may also follow courses in Chemistry, Biology, or Geology. In the last two years, the student may continue the former studies, or he may take advanced courses in Modern Languages and History.

Group V. Chemistry, Biology, and Geology

In Group V the natural sciences form the basis of instruction, being supplemented by the prescribed courses in Modern Languages, History or Political Economy, and Mathematics. In the later years, the student may continue the study of Science, or he may devote his attention to Modern Languages or History.

Students who intend to enter the medical department of this university, should choose Group V, and should arrange to pursue the following courses: English, French, and German, each for two years; Mathematics, for two years; Chemistry, for three years; Biology and Physics, each for one year. Other prescribed courses are History or Economics for one year and Philosophy for one year. These students are advised by the Medical Faculty to arrange their work so that their last year shall include courses in Chemistry and Biology, and, if possible, a course in the Chemistry of the Carbon Compounds.

These courses may be arranged as follows:—First year: Chemistry 1, French 1 or German 1, English Composition 1, Mathematics 1, Physical Training. Second year: English Literature 1, German 1 or French 1, Mathematics 2, Chemistry 2, Vocal training, and a half-course to be elected. Third year: Physics 1, with laboratory, General History (History 2) or Political Economy, French 2 or German 2, Biology 1, Forensics. Fourth year: Philosophy, German 2 or French 2, Chemistry 3, Biology 2.

It should be noted that, in order to enter the medical department, the degree of Bachelor of Arts is required, and further that the conditions for this degree, as stated on pages 194, 195, prescribe at least three courses in one definite subject.

Group I. Ancient Languages

First Year

PRESCRIBED SUBJECTS

LATIN 1. *Four hours weekly.*
Vergil; Livy; Horace.
Prose Composition.
Private Reading: Cæsar, *Bell. Civ.*; Vergil; Cicero.

GREEK 1. *Four hours weekly.*
Xenophon; Plato; Herodotus.
Prose Composition.
Private Reading: Plato, *Crito;* Homer, *Odyssey*, two books.

PHYSICAL TRAINING.

ENGLISH COMPOSITION 1. *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

MATHEMATICS 1. *Three hours weekly, first half-year.*
Solid Geometry.
Advanced Algebra.

NATURAL HISTORY. *Three hours weekly and laboratory, second half-year.*
Zoology.
Botany.

Second Year

PRESCRIBED SUBJECTS

LATIN 2. *Three hours weekly.*
Catullus; Plautus.
Juvenal; Tacitus.
Private Reading: Terence; Cicero, *Letters.*

GREEK 2. *Three hours weekly.*
Lysias; Isocrates; Euripides.
Prose Composition.
Private Reading: Xenophon, *Hellenica*, book i; Euripides, *Cyclops.*

VOCAL TRAINING. *Weekly.*

ENGLISH LITERATURE 1. *Three hours weekly.*
Outline History to 1625.
Chaucer; Spenser; Shakespeare.
Private Reading.

GENERAL HISTORY (History 2). *Three hours weekly.*

FRENCH *or* GERMAN ELEMENTS. *Four hours weekly.*
Essentials of Grammar.
Translation and Composition.

Third Year

PRESCRIBED SUBJECTS

PHYSICS 1. *Three hours weekly.*
Elementary Mechanics.
Heat. Sound. Light.
Electricity. Magnetism.
Laboratory.

GERMAN *or* FRENCH ELEMENTS. *Four hours weekly.*
(As in second year.)

FORENSICS. *Weekly.*

SUBJECTS ADVISED

LATIN 3. *Three hours weekly.*
Lucretius; The Elegy; Martial.
Pliny, *Letters;*
Roman Literature.
Private Reading: Quintilian; Cicero, *De Natura Deorum.*

GREEK 3. *Three hours weekly.*
Plato; Lyric Poets; Sophocles.
Survey of Greek Literature.
Prose Composition.
Private Reading: Elegiac and Iambic Poets; Æschylus.

ELECTIVE COURSE.* *Three hours weekly.*

Fourth Year

PRESCRIBED SUBJECT

PHILOSOPHY. *Three hours weekly.*
Logic.
Ethics.
Psychology.

SUBJECTS ADVISED

LATIN 4. *Three hours weekly.*
Petronius; Apuleius; Seneca.
Valerius Flaccus.
Private Life of the Romans.
Private Reading: Fragments of Early Latin; Suetonius, *Augustus.*

GREEK 4. *Three hours weekly.*
Thucydides; Lucian; Aristophanes.
Greek Life.
Private Reading: Demosthenes; Aristophanes.

TWO ELECTIVE COURSES.* *Six hours weekly.*

* For courses which may be taken as electives, see page 191.

Group II. Modern Languages

First Year

PRESCRIBED SUBJECTS

LATIN 1. *Four hours weekly.*
Vergil; Livy; Horace.
Prose Composition.
Private Reading: Cæsar, *Bell. Civ.*; Vergil; Cicero.

FRENCH 1 *or* GERMAN 1. *Four hours weekly.*
Modern Prose.
Composition.
Private Reading.

PHYSICAL TRAINING.

ENGLISH COMPOSITION 1. *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

MATHEMATICS 1. *Three hours weekly, first half-year.*
Solid Geometry.
Advanced Algebra.

NATURAL HISTORY. *Three hours weekly and laboratory, second half-year.*
Zoology.
Botany.

Second Year

PRESCRIBED SUBJECTS

LATIN 2. *Three hours weekly.*
Catullus; Plautus.
Juvenal; Tacitus.
Private Reading: Terence; Cicero, *Letters.*

FRENCH 2. *Three hours weekly.*
The Nineteenth Century.
Selected Classics.
Literature. Composition.
Private Reading.

Or

GERMAN 2. *Three hours weekly.*
Classical Authors:
Schiller; Goethe.
Composition.
Private Reading.

VOCAL TRAINING. *Weekly.*

ENGLISH LITERATURE 1. *Three hours weekly.*
Outline History to 1625.
Chaucer; Spenser; Shakespeare.
Private Reading.

GENERAL HISTORY (History 2). *Three hours weekly.*

GERMAN 1 *or* FRENCH 1. *Four hours weekly.*
(As in first year.)

Third Year

PRESCRIBED SUBJECTS

PHYSICS 1. *Three hours weekly.*
Elementary Mechanics.
Sound. Heat. Light.
Electricity. Magnetism.
Laboratory.

GERMAN 2 *or* FRENCH 2. *Three hours weekly.*
(As in second year.)

FORENSICS. *Weekly.*

SUBJECTS ADVISED (THREE TO BE CHOSEN)

FRENCH 3. *Three hours weekly.*
Contemporary Drama.
The Sixteenth Century.

GERMAN 3. *Three hours weekly.*
Goethe, *Faust, Iphigenie, Tasso.*
History of Literature; Lyrics and Ballads.

ENGLISH LITERATURE 5. *Three hours weekly.*

ITALIAN 1 *or* SPANISH 1. *Three hours weekly.*
Essentials of Grammar.
Translation; Composition.

LATIN 3. *Three hours weekly.*
Lucretius; The Elegy; Martial.
Pliny, *Letters.*
Roman Literature.
Private Reading: Quintilian; Cicero, *De Natura Deorum.*

ELECTIVE COURSE.* *Three hours weekly.*

Fourth Year

PRESCRIBED SUBJECT

PHILOSOPHY. *Three hours weekly.*
Logic.
Ethics.
Psychology.

SUBJECTS ADVISED

TWO MODERN LANGUAGES. *Six hours weekly.*

TWO ELECTIVE COURSES.* *Six hours weekly.*

* For courses which may be taken as electives, see page 191.

Group III. History and Political Economy

First Year

PRESCRIBED SUBJECTS

LATIN 1. *Four hours weekly.*
Vergil; Livy; Horace.
Prose Composition.
Private Reading: Caesar, *Bell. Civ.*; Vergil; Cicero.

FRENCH 1 or GERMAN 1. *Four hours weekly.*
Modern Prose.
Composition.
Private Reading.

PHYSICAL TRAINING.

ENGLISH COMPOSITION 1. *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

MATHEMATICS 1. *Three hours weekly, first half-year.*
Solid Geometry.
Advanced Algebra.

NATURAL HISTORY. *Three hours weekly and laboratory, second half-year.*
Zoology.
Botany.

Second Year

PRESCRIBED SUBJECTS

LATIN 2. *Three hours weekly.*
Catullus; Plautus; Juvenal; Tacitus.
Private Reading: Terence; Cicero, *Letters.*

GERMAN 1 or FRENCH 1. *Four hours weekly.*
(As in first year.)

VOCAL TRAINING. *Weekly.*

ENGLISH LITERATURE 1. *Three hours weekly.*
Outline History to 1625.
Chaucer; Spenser; Shakespeare.
Private Reading.

HISTORY 1. *Three hours weekly.*
Ancient Greece.
Ancient Rome.

POLITICAL ECONOMY 1. *Three hours weekly.*
Economic History.
Elements of Economics.

Third Year

PRESCRIBED SUBJECTS

PHYSICS 1. *Three hours weekly.*
Elementary Mechanics.
Heat. Sound. Light.
Electricity. Magnetism.
Laboratory.

FORENSICS. *Weekly.*

SUBJECTS ADVISED

HISTORY 2. *Three hours weekly.*
European History.

HISTORY 3. *Three hours weekly.*
English History.

POLITICAL ECONOMY 2. *Three hours weekly.*
Finance.
Economic Institutions.

ELECTIVE COURSE.* *Three hours weekly.*

Fourth Year

PRESCRIBED SUBJECT

PHILOSOPHY. *Three hours weekly.*
Logic.
Ethics.
Psychology.

SUBJECTS ADVISED

HISTORY 4. *Three hours weekly.*
American History.

POLITICAL ECONOMY 3. *Three hours weekly.*
Statistical Methods.
History of Economic Theory.

TWO ELECTIVE COURSES.* *Six hours weekly.*

* For courses which may be taken as electives, see page 191.

Group IV. Mathematics and Physics

First Year

PRESCRIBED SUBJECTS

CHEMISTRY 1. *Three hours lectures, six hours laboratory weekly.*
General Chemistry.
Laboratory Work.

FRENCH 1 *or* GERMAN 1. *Four hours weekly.*
Modern Prose.
Composition.
Private Reading.

PHYSICAL TRAINING.

ENGLISH COMPOSITION 1. *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

*MATHEMATICS 1. *Three hours weekly.*
Solid Geometry.
Advanced Algebra.
Plane Analytic Geometry.

Second Year

PRESCRIBED SUBJECTS

MATHEMATICS 2. *Three hours weekly.*
Differential and Integral Calculus.

PHYSICS 1. *Three hours lectures, six hours laboratory weekly.*
Elementary Mechanics.
Heat. Sound. Light.
Electricity. Magnetism.
Laboratory.

VOCAL TRAINING. *Weekly.*

ENGLISH LITERATURE 1. *Three hours weekly.*
Outline History to 1625.
Chaucer; Spenser; Shakespeare.
Private Reading.

GENERAL HISTORY (History 2). *Three hours weekly.*
Or

POLITICAL ECONOMY 1. *Three hours weekly.*
Economic History.
Elements of Economics.

GERMAN 1 *or* FRENCH 1. *Four hours weekly.*
(As in first year.)

Third Year

PRESCRIBED SUBJECTS

MATHEMATICS 3. *Three hours weekly.*
Differential and Integral Calculus.
Determinants.
Projective Geometry.
Solid Analytic Geometry.

PHYSICS 2. *Three hours lectures, six hours laboratory weekly.*
Theoretical Mechanics.
Electricity. Magnetism.
Laboratory.

FORENSICS. *Weekly.*

SUBJECTS ADVISED

GEOLOGY 1. *Three hours lectures, six hours laboratory weekly.*
Crystallography.
Descriptive Mineralogy.
Physiography.
Or

BIOLOGY 1. *Three hours lectures, six hours laboratory weekly.*
General Biology.
Embryology.
Or

CHEMISTRY 2. *Three hours lectures, six hours laboratory weekly.*
Advanced Inorganic Chemistry.

ELECTIVE COURSE.* *Three hours weekly.*

Fourth Year

PRESCRIBED SUBJECT

PHILOSOPHY. *Three hours weekly.*
Logic.
Ethics.
Psychology.

SUBJECTS ADVISED

MATHEMATICS 4. *Three hours weekly.*

PHYSICS 3. *Three hours lectures, six hours laboratory weekly.*

ELECTIVE COURSES † (to make up the requisite number of hours).

*Students who absolve this course at entrance, may substitute for it the full course in Natural History.

† For courses which may be taken as electives, see page 191.

Group V. Chemistry, Biology, and Geology †

First Year

PRESCRIBED SUBJECTS

CHEMISTRY 1. *Three hours lectures, six hours laboratory weekly.*
General Chemistry.
Laboratory Work.

FRENCH 1 *or* GERMAN 1. *Four hours weekly.*
Modern Prose.
Composition.
Private Reading.

PHYSICAL TRAINING.

ENGLISH COMPOSITION 1. *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

*MATHEMATICS 1. *Three hours weekly.*
Solid Geometry.
Advanced Algebra.
Plane Analytic Geometry.

Second Year

PRESCRIBED SUBJECTS

ENGLISH LITERATURE 1. *Three hours weekly.*
Outline History to 1625.
Chaucer; Spenser; Shakespeare.
Private Reading.

GERMAN 1 *or* FRENCH 1. *Four hours weekly.*
(As in first year.)

VOCAL TRAINING. *Weekly.*

TWO OF THE FOLLOWING

CHEMISTRY 2. *Three hours lectures, six hours laboratory weekly.*
Advanced Inorganic Chemistry.

BIOLOGY 1. *Three hours lectures, six hours laboratory weekly.*
General Biology.
Embryology.

GEOLOGY 1. *Three hours lectures, six hours laboratory weekly.*
Crystallography.
Physiography.
Descriptive Mineralogy.

MATHEMATICS 2. *Three hours weekly.*
Differential and Integral Calculus.

Third Year

PRESCRIBED SUBJECTS

PHYSICS 1. *Three hours lectures, six hours laboratory weekly.*
Theoretical Mechanics.
Heat. Sound. Light.
Electricity. Magnetism.

GENERAL HISTORY (History 2). *Three hours weekly.*

Or

POLITICAL ECONOMY 1. *Three hours weekly.*
Economic History.
Elements of Economics.

FORENSICS. *Weekly.*

NOTE.—If Political Economy be chosen, Biology 1 (see second year) may be taken in this year.

SUBJECTS ADVISED

CHEMISTRY 2. *Three hours lectures, six hours laboratory weekly.*
(As in second year.)

Or

CHEMISTRY 3. *Three hours lectures, six hours laboratory weekly.*
Chemistry of Carbon Compounds.

Or

BIOLOGY 2. *Three hours lectures, six hours laboratory weekly.*
Comparative Anatomy of Vertebrates.
Anatomy and Histology of Plants.

Or

GEOLOGY 1. *Three hours lectures, six hours laboratory weekly.*
(As in second year.)

Or

GEOLOGY 2. *Three hours lectures, six hours laboratory weekly.*
Physical Geology.
Structural Geology.
Historical Geology.
Laboratory: Elementary Petrography; Outline Paleontology.

ELECTIVE COURSE.** *Three hours weekly.*

Fourth Year

PRESCRIBED SUBJECT

PHILOSOPHY. *Three hours weekly.*
Logic.
Ethics.
Psychology.

SUBJECTS ADVISED

TWO SCIENCES. *Six hours lectures, twelve hours laboratory weekly.*

ELECTIVE COURSE.* *Three hours weekly.*

* Students who absolve this course at entrance, may substitute for it the full course in Natural History.

** For courses which may be taken as electives, see page 191.

† See statement as to requirements for the medical department on page 185.

Elective Courses

A student may take as an elective any course that he is prepared to enter. Numerous courses, other than those described under the separate groups, will be given as a rule each year; and they, as well as those scheduled in the groups, may be chosen as elective courses, under the conditions specified on page 183. In 1907–08 these will be in the following subjects:

Latin.	Mathematics.
Greek.	Chemistry.
Greek and Roman Life.	Physical Chemistry.
Classical Archæology.	Physics.
Comparative Philology.	Astronomy.
Hebrew.	Zoology.
English and Anglo-Saxon.	Botany.
French.	Geology.
German.	Philosophy.
Spanish.	Psychology.
Italian.	Drawing.
History.	Political Economy.

Detailed information concerning the various courses will be found in the pamphlet entitled "Collegiate Instruction of the Johns Hopkins University."

SYNOPSIS OF GROUPS

Group I	Group II	Group III	Group IV	Group V
		FIRST YEAR		
Latin 1. Greek 1. Rhetoric 1. Mathematics 1. Natural History. Physical Training.	Latin 1. French 1 or German 1. Rhetoric 1. Mathematics 1. Natural History. Physical Training.	Latin 1. French 1 or German 1. Rhetoric 1. Mathematics 1. Natural History. Physical Training.	Chemistry 1. French 1 or German 1. Rhetoric 1. Mathematics 1. Physical Training.	Chemistry 1. French 1 or German 1. Rhetoric 1. Mathematics 1. Physical Training.
		SECOND YEAR		
Latin 2. Greek 2. English Literature 1. French Elements or German Elements. General History. Vocal Training.	Latin 2. German 1 or French 1. English Literature 1. General History. French 2 or German 2. Vocal Training.	Latin 2. German 1 or French 1. English Literature 1. History 1. Political Economy 1. Vocal Training.	Mathematics 2. Physics 1. German 1 or French 1. English Literature 1. General History or Political Economy. Vocal Training.	English Literature 1. German 1 or French 1. Two of these: Biology 1. Geology 1. Chemistry 2. Mathematics 2. Vocal Training.
		THIRD YEAR		
Physics 1. German Elements or French Elements. Forensics. ——— Latin 3. Greek 3. An Elective.	Physics 1. German 2 or French 2. Forensics. ——— Two Languages. An Elective.	Physics 1. Forensics. ——— History 2. History 3. Political Economy 2. An Elective.	Mathematics 3. Physics 2. Forensics. ——— A Science. An Elective.	Physics 1. General History or Political Economy. Forensics. ——— A Science. An Elective.
		FOURTH YEAR		
Philosophy. ——— Latin 4. Greek 4. Two Electives.	Philosophy. ——— Two Modern Languages. Two Electives.	Philosophy. ——— History 4. Political Economy 3. Two Electives.	Philosophy. ——— Mathematics 4. Physics 3. Electives.	Philosophy. ——— Two Sciences. An Elective.

Hours	Monday	Tuesday	Wednesday	Thursday	
9	French 2. German 2. Mathematics 2. Geology 1. English Composition 1.	Latin 1. Chemistry 1. Biology 1. {General History. {History 2. Mathematics 3. History 1. Italian 1. Spanish 1.	Latin 1. Political Economy 1. Chemistry 2. English Literature 3. Physics 3. Geology 3.	Latin 1. Chemistry 1. Biology 1. {General History. {History 2. Mathematics 3. History 1. Italian 1. Spanish 1.	Latin 1. Chemistry 1. Biology 1. {General History. {History 2. Mathematics 3. History 1. Italian 1. Spanish 1.
10	Mathematics 1. Natural History. Physics 1. Latin 2. Philosophy.	French 2. German 2. Greek 2. Mathematics 2. Geology 1. English Composition 1.	Mathematics 1. Natural History. Physics 1. Latin 2. Philosophy.	Political Economy 1. Chemistry 2. English Literature 3. Physics 3. Geology 3.	Mathematics 1. Natural History. Physics 1. Latin 2. Philosophy.
11	Physics 2. Economics 2. Greek 3. History 3. Chemistry 3. Biology 3. Mathematics 4. English Literature 5. German 3.	Physics 2. Economics 2. Greek 3. History 3. Chemistry 3. Biology 3. Mathematics 4. English Literature 5. German 3.	French 2. German 2. Greek 2. Mathematics 2. Geology 1. English Composition 1.	Physics 2. Economics 2. Greek 3. History 3. Chemistry 3. Biology 3. Mathematics 4. English Literature 5. German 3.	Political Economy 1. Chemistry 2. English Literature 3. Physics 3. Geology 3.
12	Greek 1. French 1. German 1. Biology 2. Geology 2. History 4. Economics 3. Latin 3. French Elements. German Elements.	Greek 1. French 1. German 1. Biology 2. Geology 2. History 4. Economics 3. Latin 3. French Elements. German Elements.	Greek 1. French 1. German 1. Biology 2. Geology 2. History 4. Economics 3. Latin 3. French Elements. German Elements.	Greek 1. French 1. German 1. English Literature 1. French Elements. German Elements.	English Literature 1.
1	No lectures or recitations of any kind may come at one o'clock.				
2	Laboratory.	Laboratory.	English Literature 1.	Laboratory.	Laboratory.
3	German 4. English Literature 6. Spanish 2. Italian 2. Latin 4.	German 4. English Literature 6. Spanish 2. Italian 2. Latin 4.		German 4. English Literature 6. Spanish 2. Italian 2. Latin 4.	
4	French 3.	French 3.		French 3.	

REQUISITES FOR THE DEGREE OF BACHELOR OF ARTS

As evidence that the collegiate course has been successfully completed, the degree of Bachelor of Arts is conferred at its close. The degree signifies, in the case of every recipient, such instruction in ancient and modern languages, in mathematics, in the physical and natural sciences, in literature, philosophy, and history, as is believed to be essential to a liberal education.

Twenty courses are required for graduation, and no combination of studies is accepted which does not include three courses in one subject and two courses in another subject.*

All candidates for a degree take the following prescribed courses, which are for one year unless otherwise noted.

Rhetoric.
English Literature.
French.
German.
History, or (in Groups IV and V) Political Economy.
Physics.
Mathematics—
  In Groups I, II, and III, one-half year.
  In Groups IV and V, one year.
Philosophy.
Vocal Training.
Forensics.
Physical Exercises.
A Laboratory Course—
  In Groups I, II, and III, Natural History (one-half year).
  In Groups IV and V, Chemistry and Physics.

The remaining courses necessary to complete the number required are chosen, subject to the approval of the Adviser, in accordance with the schemes outlined under the several groups.

* For the definition of a "course" see page 196.

A student may be admitted to advanced standing, in accordance with the regulations given on page 205, but in all cases the candidate must pursue the last year of his undergraduate course in this institution.

In general, four years of residence are necessary for the completion of the courses required for a degree. A capable student may, however, complete this work in three years. Such a student may (1) anticipate certain of the courses by special examination at entrance;* (2) present himself, at the beginning of an academic year, for examination in a single course, provided the Committee on Admission and Advanced Standing, being satisfied that the student can obtain competent instruction, has authorized him, in advance, to prepare this course during the summer vacation;* (3) take, under certain conditions, in any year of residence except the first, a greater number of courses than is called for in the program; (4) offer nineteen courses for graduation instead of twenty, in accordance with the following provision:

In case a student has an average of not less than 9 for the work of his third year, and has not received a mark as low as 7 for any of his courses since entrance to the university, he need offer only nineteen courses for graduation.

A student whose average in his studies for each of his last two years has not been less than 9, and who has not received a mark less than 7.5 in any of his courses during his last three years, shall receive his degree WITH HONOR.

Special students who have been in residence at least two years and who have completed their work in a satisfactory manner, shall receive a certificate stating the facts, and signed by the President of the University.

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* Forms of application for these privileges are provided and must be obtained from the Registrar.

ADMINISTRATIVE REGULATIONS

Standing Committees. The Board of Collegiate Studies appoints four standing committees :

1. The Executive Committee.
2. The Committee on Admission and Advanced Standing.
3. The Committee on Scholarships and Honors.
4. The Committee on Assignment of Advisers.

The Dean of the College Faculty is *ex officio* a member of each of these.

The Executive Committee has charge of such matters pertaining to discipline and general administration as may be delegated to it by the Board of Collegiate Studies.

Advisers. When an undergraduate student is admitted to the university, he is assigned to an Adviser by the standing committee charged with this duty, and he will, under ordinary circumstances, remain under the direction of the same Adviser during his whole course. The approval of the Adviser is necessary before the student can enter upon any course of study ; no instructor will receive into a class a student who does not bring with him (in a book provided for that purpose) assurance that his Adviser approves his pursuing the study at that time ; and no student is allowed, without the consent of his Adviser, to discontinue any work. Each Adviser endeavors to establish relations of friendliness and confidence with the students assigned to his care ; he not only gives counsel in regard to the selection of studies, but promotes the welfare of his students in every practicable way.

Courses. The "standard course" of study in the undergraduate classes of the university consists of three meetings each week, of one hour each, through the year. In certain cases, a course requires four hours per week.

Laboratory instruction, six hours a week through the year, counts as one-half a course.

Latin and Greek Prose Composition, one hour a week through the year, count each as one-half a course.

Vocal Training and Forensics, each for one year, count together as one-half a course.

Examinations. Examinations in all classes are held at the close of each academic year in the ten days preceding Commencement. These are based upon the work of the entire year, and the time allotted to each examination is as follows: in a standard course, three hours; in a two-hour course, two hours; in a one-hour course, one hour; in a six-hour laboratory course, two sessions of three hours each in the laboratory.

In addition to these final examinations, intermediate examinations are held during the academic year. In order to afford opportunity for them, the regular work is suspended during the days immediately preceding the Christmas and Easter recesses. At these periods the time allotted for each examination is two hours for a standard course, and one hour for a two-hour or a one-hour course.

Instructors who do not desire to examine their classes at the intermediate periods stated, may appoint other hours for examination, subject to the approval of the Dean. In this case, standard courses are allowed, in addition to the final examinations, not more than three hours of examinations during the year; two-hour courses, two hours; and one-hour courses, one hour. All examinations are so arranged as not to interfere with the regular work of the members of the classes. In each laboratory course, two sessions of three hours each may be devoted to practical examinations in the laboratory.

Unannounced examinations or written recitations may be held at any time, in place of the regular class meeting.

Reports. Each instructor files with the Registrar, previous to the Christmas and Easter recesses and after the final examination, Official Reports of the standing of each student in his class. These are based upon both the regular exercises and the examinations, and are made in terms of the system of marks adopted by the Board. The average of these three marks is the record of the student for the year.

In case of illness or unavoidable absence at the time of an examination, a provisional mark is reported, based upon class-

work, essays, etc. When the examination is taken, this mark is corrected, if necessary.

Marks. The scale of marks for official reports is 10, 9.5, 9, etc. The highest mark is 10, which signifies "excellence," and a mark less than 6 denotes "failure."

Withdrawal from the University. A candidate for the Bachelor's degree who has not passed all the matriculation examinations at the close of the autumn matriculation examination of his third year of residence, ceases to be a member of the university. He is not allowed to return until after the Christmas recess following, and then only provided the deficiencies have been fully absolved.

A student who, at any time, has in his record failures in three courses, ceases to be a member of the university. (A failure in any course on a previous Official Report which has not been absolved by a second examination or by additional work, counts as one of these three.) In case the student desires to return to the university, he must make written application to the Board of Collegiate Studies.

Limitations upon Number of Courses. No student whose work is seriously in arrears may, except by permission of the Board, take the full number of courses prescribed for undergraduates; nor may any student, except by consent of the Board, take more than five and one-half courses. This consent is not granted to a student in his first year of residence; nor in later years if the student's record during the previous year—taking into account all his courses—was below "8."

A student who is not fully matriculated is not permitted to take more than four courses.

Athletic Teams and Musical Clubs. No student is permitted to be a member of, or a candidate for, an athletic team or a musical club, if his average standing on the preceding Official Reports is below "7."

No "attendant upon a single course" is permitted to represent the university on any athletic team or in any athletic competition.

Repetition of Courses. At the request of an instructor in any class, a student is required to repeat the work of that course, in whole or in part, if it is to count as one required for graduation.

A student whose record for the year in Rhetoric is below "8" may be required to take in the following year an additional course in the subject, one hour a week through the year.

Relations with the Graduate Departments. No course of study given in the medical department and no graduate course may count as part of the work required for the degree of Bachelor of Arts.

Graduate students following an undergraduate course are required to attend such exercises and examinations in this course as the instructor may elect.

Relations with other Institutions. No candidate for graduation, or special student, shall, during the academic year, follow courses in any professional school, or in any institution other than the university, unless permission to do so be expressly granted by the Board of Collegiate Studies. This permission will not, in general, be granted to students who are assigned the full number of hours in the university.

REQUIREMENTS FOR ADMISSION

Those who wish to pursue undergraduate courses in the university should apply to the registrar for a blank form of "Application for Admission," which must be filled up and returned to the registrar one week at least before the time set for the entrance examinations. These examinations are held at the university in June and September of each year.

To accommodate those who wish to take their examinations elsewhere, the university will accept certificates from the College Entrance Examination Board for subjects passed in accordance with its regulations. (See page 206.)

Applicants for Matriculation

Those who wish to become candidates for the degree of Bachelor of Arts must present the following certified statements:

1. A statement of the successful completion of courses in Arithmetic, Political Geography, Freehand Drawing, and either Physical Geography or a science such as Botany, Chemistry. Physics. The course in science must include laboratory work on the part of the student. Those who have not had satisfactory instruction in Drawing will be required to pursue the course offered by the university.

2. A statement in regard to the several languages required for matriculation. This should give the following information: (*a*) the authors read, (*b*) the extent of reading in each, (*c*) the length of time devoted to each subject and the number of exercises weekly.

Blank spaces for these certified statements will be found in the form of "Application for Admission" referred to above, and these should be filled up and signed by the teacher or by the head of the school, under whom the applicant has prepared for college.

If these statements are satisfactory, the applicant will be admitted to the matriculation examinations; if they are unsatis-

factory, the Committee on Admission will prescribe such conditions as may be necessary.

A candidate admitted to the examination is expected to pass in the following subjects:

Mathematics.	Latin.
English.	Greek
History.	or
	French and German.

Details of the requirements in these subjects will be found below.

Division of the Matriculation Examinations

The applicant may pass a part of the examinations one year before his admission to the university and receive credit, under the following conditions:

In his application *he must distinctly declare his intention to divide the examinations.* The subjects passed will not count towards matriculation unless the applicant offers the remaining subjects within the ensuing year. The first part of the divided examination will be confined to the following subjects, of which the applicant will be expected to pass in the first three at least:

English (*a*).	French or German.
Algebra (*a*).	History of the United States or of Greece.
Latin (*a*).	
Plane Geometry.	History of England or of Rome.
Greek (*a*).	

Requirements for Matriculation

1. Mathematics.—Algebra; Plane Geometry; Plane Trigonometry.

The requirements in Algebra are as follows:

(*a*). To Quadratics, including the four fundamental rules, the use of parentheses, factoring, highest common factor, lowest common multiple, complex fractions, equations of the first degree in one or more unknown quantities, and problems leading to such equations, inequalities, radicals, and the use of fractional and negative exponents.

(*b*). Quadratics and beyond, including quadratic equations in one and two unknown quantities, and problems leading to such equations, the theory of quadratic equations in one unknown quantity, ratio and proportion, the progressions, the elementary treatment of permutations and combinations, the binomial theorem for positive integral exponents, and the use of logarithms.

The subjects required in Plane Geometry and in Trigonometry are those treated in the ordinary text-books.

2. ENGLISH.—The examination will consist of two parts:

a. Reading. The candidate will be required to write a paragraph or two on each of several topics chosen by him from a considerable number—perhaps ten or fifteen—set before him in the examination paper. These topics are selected with reference to certain books, a list of which is given below. This part of the examination is designed, primarily, to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. As additional evidence of preparation, the candidate may present an exercise book, properly certified by his instructor, containing compositions or other written work.

The books prescribed for this part of the examination are:

In 1906, 1907, and 1908: Shakespeare's *The Merchant of Venice* and *Macbeth*; *The Sir Roger de Coverley Papers* in *The Spectator*; Irving's *Life of Goldsmith*; Coleridge's *The Ancient Mariner*; Scott's *The Lady of the Lake* and *Ivanhoe*; Tennyson's *Gareth and Lynette, Lancelot and Elaine*, and *The Passing of Arthur*; Lowell's *The Vision of Sir Launfal*; George Eliot's *Silas Marner*.

In 1909: Group I (*two* to be selected).

Shakespeare's *As You Like It, Henry V, Julius Cæsar, The Merchant of Venice, Twelfth Night.*

Group II (*one* to be selected).

Bacon's *Essays*; Bunyan's *The Pilgrim's Progress, Part I*; *The Sir Roger de Coverley Papers* in *The Spectator*; Franklin's *Autobiography.*

Group III (*one* to be selected).

Chaucer's *Prologue*; Spenser's *Faerie Queene* (selections); Pope's *The Rape of the Lock*; Goldsmith's *The Deserted Village*; Palgrave's *Golden Treasury* (First Series), Books II and III, with especial attention to Dryden, Collins, Gray, Cowper, and Burns.

Group IV (*two* to be selected).

Goldsmith's *The Vicar of Wakefield*; Scott's *Ivanhoe*; Scott's *Quentin Durward*; Hawthorne's *The House of the Seven Gables*; Thackeray's *Henry Esmond*; Mrs. Gaskell's *Cranford*; Dickens's *A Tale of Two Cities*; George Eliot's *Silas Marner*; Blackmore's *Lorna Doone.*

Group V (*two* to be selected).

Irving's *Sketch Book*; Lamb's *Essays of Elia*; De Quincey's *Joan of Arc* and *The English Mail Coach*; Carlyle's *Heroes and Hero Worship*; Emerson's *Essays* (selected); Ruskin's *Sesame and Lilies.*

Group VI (*two* to be selected).

Coleridge's *The Ancient Mariner*; Scott's *The Lady of the Lake*; Byron's *Maseppa* and *The Prisoner of Chillon*; Palgrave's *Golden Treasury* (First Series), Book IV, with special attention to Wordsworth, Keats, and Shelley; Macaulay's *Lays of Ancient Rome*; Poe's *Poems*; Lowell's *The Vision of Sir Launfal*; Arnold's *Sohrab and Rustum*; Longfellow's *The Courtship of Miles Standish*; Tennyson's *Gareth and Lynette, Lancelot and Elaine*, and *The Passing of Arthur*; Browning's *Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Evelyn Hope, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, The Boy and the Angel, One Word More, Hervé Riel, Pheidippides.*

b. Study and Practice. This part of the examination presupposes the careful study of each of the works named below. The examination will be upon subject-matter, form, and structure, and will also test the candidate's ability to express his knowledge with clearness and accuracy.

The books set for this part of the examination are:

In 1906, 1907, and 1908: Shakespeare's *Julius Cæsar;* Milton's *L'Allegro, Il Penseroso, Comus,* and *Lycidas;* Burke's *Speech on Conciliation with America;* Macaulay's *Essay on Addison* and *Life of Johnson.*

In 1909: Shakespeare's *Macbeth;* Milton's *L'Allegro, Il Penseroso, Comus,* and *Lycidas;* Burke's *Speech on Conciliation with America,* or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration;* Macaulay's *Life of Johnson,* or Carlyle's *Essay on Burns.*

In connection with the reading and study of the required books, parallel or subsidiary reading should be encouraged, and a considerable amount of English poetry should be memorized. The essentials of English grammar should not be neglected in preparatory study.

NOTE.—No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom, or division into paragraphs.

Although candidates will be permitted to take the entire examination at the time of entrance, it is strongly recommended that Part *a* be taken as a preliminary examination and Part *b* as a final examination. Candidates will thus have an opportunity to make up deficiencies which may be discovered at the preliminary examination, and to enter the university without a condition in English.

3. HISTORY.—The outlines of the History of England and the United States or of the History of Greece and Rome, and the outlines of Geography.

4. LATIN.—A systematic course of instruction extending over four school years at least is presupposed. The applicant should have read the following texts:

Nepos and Cæsar, at least 100 pages.*
Cicero's Orations, at least 100 pages.*
Ovid and Vergil, at least 6000 verses.

The examination will include three elements:

(*a*) Latin Grammar (both forms and syntax), based on Cæsar, *Gallic War,* Book I, and Cicero, *Orations against Catiline,* I, II, and III.

(*b*) Translation into English of Latin prose and verse, together with questions suggested by the text, including questions on prosody. A part of the translation will be at sight, and, in all translations, simple, idiomatic English will be required.

(*c*) Translation into Latin of a passage of easy connected English prose.

In case the examination is divided, as provided for on page 201, (*a*) should be offered at the preliminary examination.

5. GREEK.—A systematic course of instruction extending over three school years at least is presupposed. The applicant should have read the following texts:

Xenophon, *Anabasis,* at least four books.
Homer, *Iliad,* at least four books, or *Odyssey,* at least six books.
The examination will include three elements:

* The standard page is that of the Teubner texts.

(*a*) Greek Grammar (both forms and syntax), based largely on Xenophon, *Anabasis*, Books I and II.

(*b*) Translation into English of Attic prose and of Homer, together with questions suggested by the text, including questions on Homeric life and the prosody of the Homeric poems. A part of the translation will be at sight, and in all translations simple, idiomatic English will be required.

(*c*) Translation into Greek (with accents) of a passage of easy connected English prose.

Throughout the entire preparatory course the student should have constant practice in reading Greek aloud, giving careful attention to accent and quantity, and constant practice in Greek prose composition, both written and oral. A systematic study of the essentials of Greek grammar should be carried on throughout the preparatory course.

In case the examination is divided as provided for on page 201, (*a*) should be offered at the preliminary examination.

Applicants not offering Greek must meet the following requirements in French and German :—

6. FRENCH.—The requirement in French presupposes a systematic course extending over at least two school years, at the end of which time the student should be able to pronounce French accurately, to read at sight easy French prose, to put into French simple English sentences taken from the language of every-day life or based upon a portion of the French text read, and to answer questions on the rudiments of French grammar. The examination, which may not be divided, will comprise :

(*a*) Questions on the elements of French grammar, including the inflection of adjectives, participles, and pronouns ; the use of personal pronouns, common adverbs, prepositions, and conjunctions ; the order of words in the sentence ; and the elementary rules of syntax.

(*b*) The translation into French of short sentences illustrative of the rules of grammar and of a short paragraph based on a French text given. In place of the translation of this paragraph the candidate may substitute an original exercise in French on a subject set by the examiner.

(*c*) The translation, at sight, into English of easy French prose.

(*d*) An oral exercise in pronunciation.

The candidate should have read from 400 to 500 pages of French prose taken from a standard reader and from the texts edited for elementary use, as listed by the leading publishers ; especially those of the works of About, Bruno, Dumas, Erckmann-Chatrian, Halévy, Laboulaye, Labiche and Martin, Malot, Sand, and Verne. Grammars recommended are Frazer and Squair's Part I, Joynes' Minimum, Longman's, and Perry and Reums' French Book.

7. GERMAN.—The requirement in German presupposes at least two years of school work under approved methods, with four recitations weekly, and the reading of a minimum of 300 pages of easy dialogue and narrative prose.

Candidates are expected to give particular attention to pronunciation, to the acquisition of an elementary German vocabulary, and to an accurate knowledge of the rudiments of German grammar, in quantity corresponding to Vos's *Essentials of German*.

The examination, which may not be divided, will comprise:

(*a*) Translation at sight of passages of simple dialogue and narrative prose. Help will be given on unusual words and constructions.

(*b*) Questions on grammatical forms and syntax. These will, as a rule, be based upon the passages assigned for translation.

(*c*) Translation into German of easy English from the language of every day life. In addition, a brief rendering of English into German, based on the passages described under (*a*), may be required.

Selections may be made from such texts as the following:

Baumbach, *Sommermärchen*, *Der Schwiegersohn*. Benedix, *Eigensinn*, *Der Prozess*. Gerstäcker, *Germelshausen*, *Irrfahrten*. Hauff, *Das kalte Herz*. Heyse, *L'Arrabbiata*. Riehl, *Burg Neideck*. Saar, *Die Steinklopfer*. Seidel, *Leberecht Hühnchen*. Stifter, *Das Haidedorf*. Storm, *Immensee*, *In St. Jürgen*. Sudermann, *Teja*. Wildenbruch, *Das edle Blut*, *Der Letzte*.

APPLICANTS FOR ADVANCED STANDING

A student may be admitted to advanced standing by passing the necessary examinations, or, in case he enters after matriculation in another college, provided he submits certificates from that institution satisfactory to the Committee on Admission.

SPECIAL STUDENTS

The university is ready to receive as special students those who are qualified by age, character, attainments, and habits of study, to attend its classes and lectures with profit to themselves and the institution. Such persons may be admitted, without matriculation, to a limited number of undergraduate courses; but the privilege once accorded will be forfeited at any time that the student is found unworthy of it.

The requirements for admission as a special student are that the applicant shall pass such examinations, and shall present such other evidence of fitness to pursue the desired courses, as may in each case be required by the Committee on Admission. Unless excused for some definite reason, the applicant will be required to satisfy the matriculation requirements in English, in French or German, and in either Latin or Mathematics. In the past, many excellent students have been thus enrolled, among whom not a few have subsequently changed their plans, passed the matriculation examinations, and at length received the degree of Bachelor of Arts.

College Entrance Examination Board

The College Entrance Examination Board holds examinations at numerous places in the country about the third week of June of each year, information in regard to which may be obtained by addressing The College Entrance Examination Board, Post Office Sub-Station 84, New York.

These examinations, if passed with a mark of not less than 60%, will be accepted for admission, in accordance with the following scheme of equivalents:

THE JOHNS HOPKINS UNIVERSITY	COLLEGE ENTRANCE EXAMINATION BOARD
Algebra *a*.	Mathematics *a*, *i*.
Algebra *b*.	Mathematics *a*, *ii*.
Plane Geometry.	Mathematics *c*.
Plane Trigonometry.	Mathematics *d*.
Latin *a*.	Latin *a*, *b*, *m*.
Latin *b* and *c*.	Latin *c*, *d*, *e*, *p* and *q*.
Greek *a*.	Greek *a*, *b*.
Greek *b* and *c*.	Greek *c*, *f*, *g* and *h*.
French.	Elementary Requirement.
German.	Elementary Requirement.
English *a*.	English *a*.
English *b*.	English *b*.
History of Greece and Rome.	History *a*.
History of England and the United States.	History *c*, *d*.

MATRICULATION EXAMINATIONS, 1907

Tuesday, June 4 and September 24.

9–11 a. m.—Algebra.
11.30 a. m.–1 p. m.—Trigonometry.
3–4 p. m.—English *a*.
4–5 p. m.—English *b*.

Wednesday, June 5 and September 25.

9 a. m.–12 m.—Plane Geometry.
3–5 p. m.—History.

Thursday, June 6 and September 26.

9–11 a. m.—Latin.
3–5 p. m.—Latin.

Friday, June 7 and September 27.

9–11 a. m.—Greek and German.
3–5 p. m.—Greek and French.

II. FACULTY OF MEDICINE

Terms of Admission

The courses in medicine given in this university are planned for the professional education of those students who have been especially fitted to receive instruction by a course of preliminary training in the liberal arts, and especially in those branches of science, like physics, chemistry and biology, which underlie the medical sciences. Men and women are admitted upon the same terms.

The following classes of students are received as candidates for the degree of Doctor of Medicine:

1. Those who have completed the chemical-biological course in this university (Group V) leading to the degree of Bachelor of Arts.

2. Graduates of approved colleges or scientific schools who can furnish evidence: (*a*) That they have acquaintance with Latin and a reading knowledge of French and German; (*b*) That they have such knowledge of physics, chemistry, and biology as may be obtained by a year's course in these subjects when accompanied by laboratory work.

In biology the candidate, in addition to lectures and recitations, should have followed for at least a year a laboratory course of six or more hours a week in the structure, life-history, and vital activities of selected types of animal and vegetable life. Courses in botany or zoology will be accepted, provided the laboratory work has been adequate. It is desirable also that candidates should have taken a laboratory course in embryology.

The candidate should have followed a course in general chemistry for at least a year. This course should include laboratory work, about five hours a week through the year, and lectures and class-room work covering the outlines of inorganic chemistry and the elements of organic chemistry. A good knowledge of the subject as presented in Remsen's "Introduction to the Study of Chemistry" may be regarded as the minimum requirement. A fuller knowledge of chemistry is desirable.

In physics, the candidate should have followed a collegiate course for at least one year. This should include four hours a week of class-room work and at least one afternoon a week of *quantitative* work in the laboratory.

Special attention should be given to theoretical mechanics and to the mechanical and electrical experiments.

In Latin the candidate should have studied Latin grammar and should possess at least such knowledge of the language as may be acquired by reading four books of Cæsar or their equivalent.

3. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school, and the knowledge of French, German, Latin, physics, chemistry, and biology above indicated.

Applicants for admission will receive blanks to be filled out relating to their previous courses of study. They are required to furnish certificates from officers of the colleges or scientific schools in which they have studied, as to the courses pursued in physics, chemistry, and biology. If the certificates are satisfactory, no examination in these subjects will be required from those who possess a degree in arts or in science from an approved college or scientific school.

Hearers and special workers, not candidates for a degree, will be received at the discretion of the Faculty.

ADMISSION TO ADVANCED STANDING

Applicants for admission to advanced standing must furnish evidence (1) that the foregoing terms of admission as regards preliminary training have been fulfilled, (2) that courses equivalent in kind and amount to those given here preceding that year of the course for admission to which application is made, have been satisfactorily completed, and, (3) must pass examinations, at the beginning of the session in October, in all the subjects that have been already pursued by the class to which admission is sought. Certificates of standing elsewhere cannot be accepted in place of these examinations.

General Plan of Instruction

The course of instruction is planned for those who have received a liberal education and the training in physics, chem-

istry, and general biology which has been specified. The required period of study for the degree of Doctor of Medicine is four years. The academic year begins on the first of October and ends about the middle of June. There are short recesses at Christmas and Easter.

The first two years of the course are devoted mainly to the fundamental medical sciences, a large part of the time being spent in practical work in the laboratories. In the last two years, medicine, surgery, obstetrics, and the various specialties are studied in the clinical laboratories, the dispensary, and the wards of the hospital.

The principal studies of the first year are anatomy, including normal histology and embryology, physiology, and physiological chemistry. The study of anatomy and physiology is continued in the second year. During the second year general pathology, pathological anatomy, and pharmacology are studied. A practical course in bacteriology, with the chief emphasis upon its hygienic and pathological bearings, is given during three months of this year.

Upon the basis of thorough training in the medical sciences, pursued during the first two years of the course, the student should be well fitted to undertake the study of practical medicine and surgery.

During the third year the general principles of medicine, surgery, and obstetrics are studied, and clinical instruction in medicine and surgery is given. The study of certain special branches of medicine is also begun. Leading features of the work of this year are the courses in the clinical laboratories and practical work in the dispensary.

During the fourth year the practical study of medicine, surgery, and obstetrics is continued, and instruction is given in gynecology and in the various special branches of medicine and surgery, viz.: dermatology, diseases of the nervous system, genito-urinary diseases, orthopedic surgery, laryngology and rhinology, ophthalmology and otology, pediatrics, and psychiatry. In this year the students serve as clinical clerks and surgical dressers in the wards of the hospital and are in daily attendance at special classes in the dispensary. They also

attend cases of labor in the obstetrical wards of the hospital, and under proper supervision, in the homes of the patients. For the ward and dispensary work the class is divided into small groups.

Instruction in hygiene, medical zoology, forensic medicine, and medical history is provided during the course.

Work in the dissecting room, in the laboratory, and at the bedside, demonstrations, clinics, lectures, and recitations are the main features of the methods of instruction. Simple didactic lectures occupy a subsidiary position, as compared with instruction by recitations and demonstrations and especially by practical work in the various laboratories, in the hospital wards, and in the dispensary. In consequence of the high standard of admission, the classes are not likely to be excessively large, and abundant opportunity is therefore afforded for practical work for each student and for personal contact between teacher and student.

Courses for Graduates in Medicine

Courses of instruction for graduates in medicine are given throughout the year. These courses are in Anatomy, Histology and Organology, Pathology, Bacteriology, Pharmacology, and Toxicology, Physiology, Neurology, Neurological Technique, Embryology, Physiological Chemistry, Clinical Microscopy, Medicine, Pediatrics, Obstetrics, Gynecological Pathology, Surgical Pathology, Operative Surgery, Orthopedic Surgery, Genito-Urinary Surgery, X-Ray Diagnosis and Therapeutics, Cystoscopy, and Ophthalmology and Otology. The instruction is intended to meet the requirements of practitioners of medicine, and is almost wholly of a practical character. It includes laboratory courses, demonstrations, bedside teaching, and clinics in the wards, dispensary, amphitheatre, and operating rooms of the hospital.

Detailed statements as to the courses of instruction and other information are given in the annual Catalogue and Announcement, which will be sent upon application to the Registrar of the Medical Department.

THE JOHNSTON SCHOLARSHIPS

These scholarships, of which there are three, known as the Henry E. Johnston, the James Buchanan Johnston, and the Henry E. Johnston, Jr., Scholarships, were founded by Mrs. Harriet Lane Johnston, of Washington, formerly of Baltimore, in memory of her husband and her two sons. They are awarded annually by the Trustees on the recommendation of the Academic Council. The stipend of each scholarship is the income of thirty thousand dollars. They are offered primarily to young men who have given evidence of the power of independent research. The holders of the scholarships will be expected to devote themselves to study and research in their chosen subjects, though they may be required to do some teaching. Each one will be designated as "Holder of the . . . . . Johnston Scholarship."

REGULATIONS

Candidates for the Johnson Scholarships must make application, in writing, to the President of the Johns Hopkins University before the first of May. The applications must be accompanied by such evidence of the candidates' fitness as they may be able to present. The President will refer the papers to the Academic Council, by whom the nominations will be made to the Board of Trustees at their meeting in June.

Holders of the scholarships may not engage in teaching elsewhere.

The scholars will be appointed for one year, but, if their work should prove satisfactory, they will generally be reappointed.

FELLOWSHIPS

Fellowships by Courtesy

The Academic Council may, at their discretion, by special vote, enrol as Fellows by Courtesy—

(a) Gentlemen who are or who have been teachers in colleges and other like institutions, and who wish, for brief periods, to avail themselves of the opportunities here afforded for study and for the use of books and laboratories.

(*b*) Holders of fellowships in other colleges, during their residence here.

(*c*) Those who have been fellows of this university and desire to continue in residence.

Fellows by Courtesy will not be exempt from the payment of fees, except by a special vote.

University Fellowships

Twenty fellowships, each yielding five hundred dollars but not exempting the holder from the charges for tuition, are annually awarded.

The system of fellowships was instituted for the purpose of affording to young men of talent from any place an opportunity of continuing their studies in the Johns Hopkins University, while looking forward to positions as professors, teachers, and investigators, or to other literary and scientific vocations. The fellowships are given to young men who wish to follow systematically through the year the instructions of the teachers here engaged, and those who are appointed are expected to proceed to the degree of Doctor of Philosophy. The appointments are made not merely in recognition of good work already done, but as aids and incentives to good work in the future; in other words, the fellowships are not so much honors and prizes bestowed for past achievements, as helps

to further progress and stepping-stones to honorable intellectual careers. They are not offered to those who are definitely looking forward to the practice of any one of the three learned professions (though such persons are not formally excluded from the competition), but are bestowed almost exclusively on young men desirous of becoming teachers of science and literature, or of devoting their lives to special branches of learning which lie outside of the ordinary studies of the lawyer, the physician, and the minister.

Each candidate is expected to submit his college diploma or other certificate of proficiency from the institution where he has been taught, with recommendations from those who are qualified to speak of his character and attainments. But this is only introductory. He must also submit, orally or in writing, such evidence of his past success in study and of his plans for the future, together with such examples of his literary or scientific work, as will enable the professors to judge of his fitness for the post. The examination is, indeed, in a certain sense competitive; but not with uniform tests, nor by formal questions submitted to the candidates. First, the head of a given department considers, with such counsel as he may command, the applicant's record. The professors then collectively deliberate on the nominations made by individual members of their body. The list upon which they agree, with the reasons for it, is finally submitted by the President of the University to the Executive Committee, and by them to the Trustees for final registration and appointment. By all these precautions the highest results which were anticipated have been secured. A company of most promising students has been brought together, and their ability as teachers and scholars has been recognized by the calls they have received to permanent and desirable posts in various parts of the country.

The number of applications for fellowships has hitherto been very large, and it may have happened that some candidates have failed of appointment who were really superior to those selected. But, if so, this has resulted from the fact that a considerable number of applicants have each year for-

warded to the university merely testimonials from their instructors, without examples of their own work; and, in consequence, the professors, from want of adequate knowledge have possibly passed over candidates who may have been in the highest degree meritorious.

The applicants are notified of the result by means of a printed list of the successful candidates.

The absence of candidates from Baltimore has been no bar to their appointment, in cases where adequate evidence of their claims has been presented; but it is obvious, from the nature of the case, that graduate students residing in Baltimore must have better opportunities than others of making their powers known to the appointing board, and during the last few years the number of persons appointed, who had not previously been resident here, is very small.

Regulations

1. The application must be made prior to May 1, in writing, addressed to the President of the University, and he will refer the papers to the Academic Council, by whom the nominations will be made to the Board of Trustees, at their meeting in June. There is no prescribed form of application.

2. The candidate must give evidence of a liberal education, such as the diploma of a college of good repute; of decided proclivity towards a special line of study, such as an example of some scientific or literary work already performed; and of upright character, such as a testimonial from some instructor.

3. The value of each fellowship is five hundred dollars. The holder is not exempt from the charges for tuition. In case of resignation, promotion, or removal from the fellowship, payments will be made for the time during which the office shall have been actually held.

4. Every holder of a fellowship will be expected to perform such duties as may be allotted to him in connection with his course of study, to act when called upon as an examiner or as moderator in the examination room, to give all his influence for the promotion of scholarship and good order, and in general to co-operate in upholding the efficiency of the university, as circumstances may suggest. He must reside in Baltimore during the academic year.

5. He will be expected to devote his time to the prosecution of special studies (not professional), under the direction of the head of the department to which he belongs, and before the close of the year to give evidence

of progress by the preparation of a thesis, the completion of a research, the delivery of a lecture, or by some other method.

6. He may give instruction, with the approval of the President, by lectures or otherwise, to persons connected with the university, but he may not engage in teaching elsewhere.

7. He may be reappointed at the end of the year, but only for exceptional reasons.

8. Usually not more than two fellows will be appointed in any department of study.

9. As these fellowships are awarded as honors, those who are disposed, for the benefit of others, or for any other reason, to waive the pecuniary emolument, may do so, and still have their names retained on the honor list.

Adam T. Bruce Fellowship

This fellowship was founded in 1887 by the mother of Adam T. Bruce, Ph. D., late fellow and instructor in this university, as a memorial of her son, and is awarded annually. It is bestowed by the appointing board upon the candidate whom they consider most likely to promote biological science, and especially animal morphology, by original research. The stipend is the income of the Adam T. Bruce Fellowship endowment of ten thousand dollars. Preference is given to those who have already held fellowships in the Johns Hopkins University.

The electors consist of the President of the University, the chief instructor in animal morphology, the chief instructor in animal physiology, and a non-resident member annually chosen by the resident electors.

Regulations

Candidates for the Bruce Fellowship must make application, in writing, to the President of the Johns Hopkins University before the first of May. They must forward to the President, at the same time, such evidence of their qualifications for appointment as they desire to be considered by the electors, who may require any candidate to appear before them in person.

The Bruce Fellow shall devote his time to study and research in biology at a place approved of by the President of the university, and he shall, during the month of February in the year of his tenure of the fellowship,

send to the President a written statement of the scientific work accomplished by him since his appointment.

The tenure of the fellowship shall commence on the first of September.

Two hundred and fifty dollars shall be paid to the Fellow on October 1, and the remainder at convenient intervals during the tenure of the fellowship.

The holder shall not be more than thirty years of age at the date of his election.

The Bruce Fellow may be re-elected, but not oftener than twice, and he shall be exempt from charges for tuition.

The electors shall have the power to declare the fellowship vacant, if its holder prove, in their opinion, unworthy; and no further stipend shall be paid to such person.

William S. Rayner Fellowship

The Rayner Fellowship was founded by Mrs. Bertha Rayner Frank and Mr. Albert W. Rayner, of Baltimore, to perpetuate in this university the name of their father, Mr. William S. Rayner, who had made unusual attainments in the Hebrew language and was interested in the promotion of Semitic studies. The gift amounted to ten thousand dollars, and the income is available for a fellowship, which is bestowed annually by the Academic Council upon an advanced student in the department of Semitic Languages.

SCHOLARSHIPS

[Regulations approved by the Trustees April 3, 1899, on the recommendation of the Academic Council, the Board of University Studies, and the Board of Collegiate Studies.]

University Scholarships

For the encouragement of scholarship among those who have taken the baccalaureate degree and wish to continue their studies here, a number of University Scholarships are annually bestowed, as stated below:

1. Fifteen scholarships are open about the first of January to graduates of this or of other institutions, who have been studying here during the previous part of the session. Those who wish to be candidates must make formal application to the President, stating where they have been previously trained and what studies they have pursued in this university. He will appoint a committee of five to consider the applications, and, with the aid of such evidence as may be obtained, to make nominations to the Board of University Studies.

2. These scholarships entitle the holders to free tuition and are tenable for one year. They do not carry exemption from laboratory fees.

3. They are awarded as honors, and those who are disposed, for the benefit of others or for any other reason, to waive the pecuniary emolument, or who are desirous of studying elsewhere, may do so and still have their names retained on the honor list. Those who receive the emolument will be expected to pursue their studies exclusively in this university.

4. The Board will reserve appointments, if worthy candidates do not offer.

Hopkins Scholarships

In the will of the founder of this university, his Trustees are requested to "establish, from time to time, such number of free scholarships in said university as may be judicious, and to distribute the said scholarships among such candidates

from the States of Maryland, Virginia, and North Carolina, as may be most deserving of choice, because of their character and intellectual promise, and to educate the young men so chosen free of charge."

Forty-six such scholarships, entitling the holders to free tuition, are now offered to students from the three States named.

Students can be recognized as candidates only when actual residents of the State from which they desire to be appointed, during at least the year next preceding their enrolment in the university. If the appointing board is not sure as to the legal residence of any candidate, the point in question shall be determined by the Executive Committee of the Board of Trustees.

These scholarships are all bestowed for merit, and are tenable for the year subsequent to the appointment, the holders being re-eligible.

Successful candidates who are disposed, for the benefit of others or for any other reason, to waive the pecuniary emolument, may do so, and still have their names retained on the honor list. The scholarships may be forfeited because of frequent or prolonged absence, defective scholarship, or unworthy conduct.

Scholarships made vacant by resignation, by forfeiture, or by the non-appearance of worthy candidates at the regular times of selection, may be bestowed by the appointing board, at their discretion, upon other candidates who are found worthy, provided that the principles of this foundation are not departed from.

Holders of scholarships are not exempt from laboratory fees.

Hopkins Scholars from Maryland

These scholars are appointed by the Board of Collegiate Studies, in accordance with the following regulations:

1. Four scholarships are open, at the beginning of the session, to those who have just completed their matriculation examination, and who stand best in a subsequent special ex-

amination in Mathematics, Latin, and Greek (or French and German), as required for matriculation.

2. Four are awarded in June to matriculated students whose records in the studies of the first year are most creditable. By "studies of the first year" is meant either the studies laid down for the first year in one of the regular groups, or such other studies, equivalent in amount, as may be approved of by the Committee on Scholarships and Honors.

3. Four are awarded for excellence in the studies of the second year, upon the same terms as in the case of the first year, provided that the candidate shall have absolved the "studies of the first year" as above defined.

4. Four are awarded for excellence in the studies of the third year upon the same terms as in the case of the second year, provided that the candidate shall have absolved the studies of the first and second years.

Hopkins Scholars from North Carolina and Virginia

Fifteen Hopkins Scholarships are awarded by the Academic Council to students from Virginia, and fifteen to students from North Carolina, who have already received a creditable baccalaureate degree or its equivalent. In case the entire number of scholarships are not required for graduate students, those that remain may be awarded to undergraduates, in the order of their merit. Applications, in writing, must be filed at the President's office prior to June 1.

Washington Scholarships

The Trustees offer to residents of the District of Columbia two scholarships, yielding free tuition. These, like the Hopkins Scholarships, are awarded to undergraduate students for merit, do not carry exemption from laboratory fees, and are tenable for one year, the holders being eligible for re-appointment.

Woodyear Scholarships

Mrs. William E. Woodyear, of Baltimore, gave to the Trustees, in 1893, as a memorial of her husband, the sum of ten thousand dollars, in order to provide for the annual bestowal of five scholarships, of one hundred dollars each, under such conditions as the Trustees may from time to time prescribe. At present they are awarded to young men who are known to the President of the University to be in need of pecuniary assistance, and who, at the same time, have given evidence of character and ability.

Maryland Scholarships

Twenty "Maryland Scholarships" are annually offered to residents of this State. They entitle the holders to free tuition, but do not carry exemption from laboratory fees. The scholarships are for the benefit of all parts of the State, and, accordingly, not more than one-half the number are awarded to residents of the city of Baltimore, and not more than one-half to those who are already members of the university. The appointing board consists of the President of the Board of Trustees, the President of the University, and the Dean of the College Faculty. The usual entrance examinations must be passed. Application must be made in accordance with a prescribed form, and letters certifying to the character and pecuniary condition of the candidate must be filed.

PRIZES

The John Marshall Prize

This prize was established in 1891 by a lady living in New England. It consists of a bronze replica of a likeness of Chief Justice Marshall, and is awarded annually by the Academic Council to that graduate of the Johns Hopkins University who has made within the year the most valuable contribution to historical or political science.

The Henrico Medallion

This prize is the gift (made in 1902) of the Colonial Dames of America, Chapter I, and consists of a copper medallion bas-relief commemorating the foundation of a university at Henrico, in Virginia, in the year 1619. It is bestowed annually upon a graduate or student of the Johns Hopkins University, not more than ten years after his receiving the degree of Bachelor of Arts, as a recognition of special excellence in early American History.

The Tocqueville Medal

The Tocqueville medal is annually given to the Johns Hopkins University by the Baron Pierre de Coubertin, of Paris, and is offered by the university to that student who shall have written the best essay on some subject illustrating any phase of French History, political or social, from 1815 to 1890, or a review of some important historical work published in France since 1890. The medal is given in honor of the illustrious Frenchman, Alexis de Tocqueville (1805-1859), author of the well-known historical and political studies, "Ancien Régime" and "Démocratie en Amérique."

The Sylvester Prize

The Sylvester Prize is the gift of several Baltimore gentlemen, and is offered to advanced students of mathematics as a reward for original research. It consists of a medallion likeness of Professor J. J. Sylvester, the first professor of mathematics in this university.

TUITION FEES AND EXPENSES

A

In the Philosophical Department

Tuition Fees

The charge for tuition is one hundred and fifty dollars per annum, payable at the Treasurer's office in semi-annual instalments, October 1 and February 1. There is no extra charge for instruction in any department of study, or for the use of the library and reading-room. A gymnasium fee of five dollars per annum is charged to every undergraduate during his residence in the university, and the money thus acquired is devoted to defraying the expenses of the University Athletic Association. Graduate students who use the gymnasium are also required to pay this fee. Fees are charged, as below stated, for registration, for material consumed in the laboratories, and for diplomas.

No deduction is made at the Treasurer's office because of absence for a period of less than half a year, or because a student gives only a part of his time to study, or because he belongs to but one class. Prompt payment of fees is required.

Registration Fee and Caution Money

Every student is required at entrance to pay a registration fee of five dollars and deposit ten dollars as caution money, the latter being repaid to him when he leaves the university, if there are no charges against him.

Fees for Limited Attendance

Persons engaged in other pursuits—such as clergymen, lawyers, physicians, teachers,—*who are able to give only a portion of their time to study and are not candidates for a degree,* are permitted to follow certain courses of lectures, not exceed-

ing five weekly, or to work in a scientific laboratory, at such times as may be arranged with the Director thereof, without attendance on lectures, on the payment, at entrance, of fifty dollars for the year, besides the registration fee and caution money. For a course of lectures not exceeding five weekly, with accompanying laboratory work, the fee is seventy-five dollars per annum, payable at entrance. Such persons are not regarded as members of the university, but are enrolled as "attendants upon lectures," and are entitled only to such privileges as they have paid for. Persons who desire to be so enrolled are required to make a special written application to the Registrar.

Laboratory Charges

In Chemistry: For undergraduates and for graduates who take Chemistry as a subordinate subject, twenty-four dollars a year; for graduates and special students following Chemistry as their principal subject, thirty-six dollars a year. For a half-year, the fee is one-half of these amounts.

In Physics: For students who work two afternoons a week, twenty-four dollars a year; for those who take Physics as their principal subject, thirty-six dollars a year. For a half-year, the fee is one-half of these amounts.

In Biology: For undergraduates and for graduates who take Zoology or Physiology as a subordinate subject, twenty-four dollars a year; for graduates and special students following a biological science as their principal subject, thirty-six dollars a year. For a half-year, the fee is one-half of these amounts.

In Geology: Ten dollars a year; for a half-year, one-half of this amount.

Students taking courses in geology are expected to take part in a series of excursions, and to pay their personal expenses, which will, however, in no case amount to more than $14.00.

In all the laboratories, a charge is made for breakage and for apparatus not returned in good condition.

Fellows by Courtesy and others who have the privileges of guests in the various laboratories, are expected to pay the usual laboratory charges.

Doctors of Philosophy of this university who desire to remain for a time in the university after having received their diplomas, may do so without charge for tuition, but they are required to pay the usual laboratory charges.

Exception to the foregoing charges can be made only at the written request of the Director of a laboratory, approved by the President of the university.

Graduation Fees

The graduation fees are as follows, payable before the delivery of diplomas:

Doctor of Philosophy, ...	$10.00
Bachelor of Arts, ...	5.00

B

In the Medical Department

The charge for tuition is two hundred dollars per annum, payable at the Treasurer's Office or at the office of the Dean of the Medical Faculty, in semi-annual instalments, October 1 and February 1. There are no extra charges for matriculation, for graduation, for instruction in any department, or for laboratory courses, except in special cases for materials consumed. To a student who does not possess a microscope, there is an annual charge of five dollars for the use of one, with an additional charge of two dollars for the use of an oil-immersion lens. One dollar is charged for the rental of a dissecting microscope for one year. The student is responsible for damage to the microscope thus rented. A deposit of ten dollars as caution money is required from each student at the time of his enrolment. The caution money is repaid to the student when he leaves, if there are no charges against him. Special charges are made for breakage and for damage to apparatus.

Payment of bills may be made at the office of the Registrar

in the Physiological Building, which is open from 9 a. m. to 5 p. m., or at the office of the Treasurer of the University, on North Howard Street, which is open daily from 9 a. m. to 4.15 p. m.

The fees required of graduates of medical colleges who desire to follow special courses in medicine, are stated in detail in the annual catalogue of the medical department.

Living Expenses

The university has no dormitories or other living accommodations. Students may find comfortable homes in the vicinity,—in boarding houses or with families. The price of board ranges from three dollars and a half a week upward, and rooms from one dollar and a half a week.

Lists of desirable places are kept by the Secretary of the university branch of the Young Men's Christian Association and by the Registrar of the medical department.

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ALLEN KRAMER KRAUSE, M. D., *Assistant in Pathology.*

A. B., Brown University, 1901, and A. M., 1902; M. D., Johns Hopkins University, 1907. 1537 N. Broadway.

ELIOT R. CLARK, M. D., *Assistant in Anatomy.* 1537 N. Broadway.

A. B., Yale University, 1903; M. D., Johns Hopkins University, 1907.

EBEN C. HILL, M. D., *Assistant in Anatomy.* 2120 N. Charles St.

A. B., Johns Hopkins University, 1903, and M. D., 1907.

ALEXIUS MADOR FORSTER, M. D., *Assistant in Medicine.* Towson.

A. B., University of Louisville, 1900, and M. D., 1904; Resident Physician, Maryland Hospital for Consumptives.

NEWDIGATE M. OWENSBY, M. D., *Assistant in Psychiatry.*

M. D., University of Maryland, 1904; Resident Physician, City Detention Hospital for the Insane, Bay View. Bay View Asylum.

PERCIVAL DOUGLAS CAMERON, M. B., *Voluntary Assistant in Medicine.*
M. B. Ch. B., University of Edinburgh, 1907. 105 Jackson Place.

LEONARD GEORGE ROWNTREE, M. D., *Voluntary Assistant in Medicine.* 122 Jackson Place.
M. D., Western University (Canada), 1905.

LECTURERS DURING THE YEAR 1907-08

On the Turnbull Foundation

Professor A. V. WILLIAMS JACKSON, PH. D., of Columbia University.

Seven public lectures on *Persian Poetry.*

On the Herter Foundation

Professor EDWARD A. SCHÄFER, LL. D., F. R. S., of the University of Edinburgh.

Four public lectures on *The Pituitary Body.*

Spanish Literature

MR. JAMES FITZMAURICE-KELLY, of London.

Two public lectures on (1) *Cervantes' Don Quixote,* (2) *Lope de Vega.*

German Art

Professor PAUL CLEMEN, PH. D., of the University of Bonn.

One public lecture on *Die Moderne Deutsche Denkmalskunst.*

Philosophy

Professor JAMES H. TUFTS, LL. D., of the University of Chicago.

One public lecture on *The Present State of Ethical Theory.*

Egyptology

Professor W. MAX MÜLLER, of the Reformed Episcopal Seminary, Philadelphia.

Two public lectures on *Ancient Egypt.*

Literature

Reverend JOHN F. QUIRK, S. J., of Fordham University, New York.

One public lecture on *Sedulius, the Christian Vergil*

Professor THOMAS S. BAKER, PH. D., of the Jacob Tome Institute.

Two public lectures on *The Influence of America upon European Literatures.*

Before separate departments of the University

Botany

Professor FORREST SHREVE, PH. D., of the Woman's College of Baltimore.
Twenty lectures on *Plant Geography.*

English

Professor FELIX E. SCHELLING, PH. D., of the University of Pennsylvania.
Twelve lectures and conferences on the *English Drama from Ben Jonson to the close of the theatres in 1642.*

Geology

Professor CLEVELAND ABBE, PH. D., LL. D., of the U. S. Weather Bureau.
Meteorology.

LOUIS A. BAUER, PH. D., Director of the Department of Terrestrial Magnetism, Carnegie Institution.
Terrestrial Magnetism.

Greek

ARISTOGEITON M. SOHO, PH. D., of Baltimore.
Modern Greek.

Historical, Economic, and Political Science

HENRY JONES FORD, Esq., of Baltimore.
Ten lectures on the *Theory and Practice of Politics.*

JOHN M. GLENN, A. M., LL. D., of New York.
Ten lectures on *Problems of Relief.*

LOGAN G. MCPHERSON, Esq., of New York.
Ten lectures on *Railway Transportation.*

Hon. JAMES BROWN SCOTT, of the Department of State, Washington.
Twelve lectures on *The Hague Peace Conferences.*

JAMES SCHOULER, LL. D., of Boston.
Four lectures on *Ideals of the American Republic.*

Professor ERNEST A. SMITH, PH. D., of Allegheny College.
Ten lectures on *American Diplomatic History.* [Albert Shaw Lectureship.]

Medicine

Professor ERNEST H. STARLING, M. D., F. R. S., of the University of London.
One lecture on *Hormones.*

CH. WARDELL STILES, PH. D., Zoologist of the U. S. Bureau of Public Health.
Medical Zoology.

Philosophy and Psychology

CLARENCE B. FARRAR, M. D., of Baltimore.
Physiological Psychology.

CHRISTINE LADD FRANKLIN, LL. D., of Baltimore.
Symbolic Logic.

Mr. WILLIAM E. CHANCELLOR, Superintendent of Public Instruction in the District of Columbia.
Twenty lectures on *The History of Educational Theory.*

Romance Languages

Professor FREDERICK M. WARREN, PH. D., of Yale University.
Old-French Literature.

HOLDERS OF THE JOHNSTON SCHOLARSHIPS

SAMUEL OTTMAR MAST, PH. D., *Henry E. Johnston Scholar.*

A. B., University of Michigan, 1899; Ph. D., Harvard University, 1906; Professor of Biology in Hope College since 1901. *Zoology.* 906 McCulloh St.

AUGUST HERMAN PFUND, PH. D., *James Buchanan Johnston Scholar.*

S. B., University of Wisconsin, 1901; Fellow, Johns Hopkins University, 1905-06, Ph. D., 1906, and Assistant, 1906-07. *Physics.* 1125 McCulloh St.

WILLIAM DAVIS FURRY, PH. D., *Henry E. Johnston Jr. Scholar.*

A. B., University of Notre Dame, 1900, and A. M., 1904; Fellow, Johns Hopkins University, 1906-07, and Ph. D., 1907. *Philosophy.*
1423 W. Lafayette Ave.

GRADUATE STUDENTS

FELLOWS BY COURTESY

JOHN AUGUST ANDERSON. Tansem, Minn. 916 *McCulloh St.*

S. B., Valparaiso College (Ind.), 1900; Fellow, Johns Hopkins University, 1906-07, and Ph. D., 1907; Carnegie Research Assistant. *Physical Chemistry.*

PHILIP BLANC. Baltimore. *St. Mary's Seminary.*

A. B., University of Lyons, 1895; S. T. L., Catholic University of Paris, 1900; Fellow, Johns Hopkins University, 1906-07; Professor of Hebrew and of Latin Liturgical Texts, St. Mary's Seminary. *Biblical Philology, Syriac, and History of the Ancient East.*

ALPHONSO MORTON CLOVER. Lancaster, O. 1307 *Linden Av.*

S. B., University of Michigan, 1899, and Ph. D., 1904. *Chemistry.*

PRESTON HAMPTON EDWARDS. Darlington, S. C. 716 *Park Av.*

A. B. and A. M., University of Virginia, 1900. *Physics.*

DOUGLAS SOUTHALL FREEMAN. Richmond, Va. 318 *N. Broadway.*

A. B., Richmond College, 1904; Fellow, Johns Hopkins University, 1906-07. *History, Political Science, and Political Economy.*

FELIX EDWARD WALSH HACKETT. Birchfield, Ireland.

A. B., University College, Dublin, 1902, and A. M., 1904. *Physics, Physical Chemistry, and Mathematics.* 1017 *McCulloh St.*

FREDERICK SQUIRE HEMRY. Clay Centre, Neb.

A. B., Cotner University, 1894; A. M., University of Nebraska, 1897; Fellow, Johns Hopkins University, 1905-06. *German, Greek, and English.* 116 *Ridgewood Rd., Roland Pk.*

WILLIAM WEST HOLLAND. Eastville, Va. 1122 *Madison Av.*

A. B., Central University (Ky.), 1906; Ph. D., Johns Hopkins University, 1907; Carnegie Research Assistant. *Chemistry.*

EDWARD LINDON MELLUS. Baltimore. 10 *E. Chase St.*

M. D., Jefferson Medical College, 1878. *Anatomy.*

RAYMOND DURBIN MILLER. Baltimore County. *Catonsville.*

A. B., Johns Hopkins University, 1898, Fellow, 1903-04, and Ph. D., 1904; Instructor in English, Syracuse University. *English.*

EDWARD CHARLES F. PHILLIPS, S. J. Baltimore. *Loyola College.*

A. B., St. Francis Xavier's College (N. Y.), 1898; Woodstock College, 1901-1904; Fellow, Johns Hopkins University, 1906. *Mathematics, Physics, and Physical Chemistry.*

BENJAMIN BERNARD TURNER. Baltimore. 1405 *McCulloh St.*

B. Sc., University of London, 1894; Ph. D., University of Göttingen, 1899. *Chemistry and Physics.*

ADAM T. BRUCE FELLOW IN BIOLOGY

IVEY FOREMAN LEWIS. Raleigh, N. C. 906 *McCulloh St.*

A. B., University of North Carolina, 1902, and M. S., 1903; Fellow, Johns Hopkins University, 1906-07, and Ph. D., 1908. *Botany, Zoology, and Physiology.*

WILLIAM S. RAYNER FELLOW IN SEMITIC LANGUAGES

AARON EMBER. Baltimore. 1522 *E. Biddle St.*

A. B., Johns Hopkins University, 1901, Fellow, 1903-04, Ph. D., 1904, and Instructor in Hebrew.

UNIVERSITY FELLOWS

MORDECAI BASSAN. Jerusalem, Palestine. 817 *Hollins St.*
University of Marburg. *Semitic Languages.*

ROBERT GRANVILLE CAMPBELL. Lexington, Va. 1012 *Madison Av.*

A. B., Washington and Lee University, 1898, and A. M., 1899. *Political Science, Political Economy, and History.*

JAMES RYALS CONNER. Cartersville, Ga. 1627 *McCulloh St.*

A. B., University of Georgia, 1898. *Mathematics, Physical Chemistry, and Philosophy.*

ROBERT FRANKLIN COOPER. Centreville, Ala. 261 *W. Hoffman St.*

A. B., Washington and Lee University, 1902, and A. M., 1904. *Greek, Latin and Sanskrit.*

J. FRANK DANIEL. Mt. Vernon, Ill. 315 *W. Hoffman St.*

S. B., University of Chicago, 1906. *Zoology, Physiology, and Anatomy.*

FRANKLIN EDGERTON. Washington, D. C. 1124 *McCulloh St.*

A. B., Cornell University, 1905. *Sanskrit and Comparative Philology.*

WALTER CLARK HAUPT. Baltimore. 2511 *Madison Av.*

Gymnasium Augustum, Goerlitz, 1905. *German, French, and Italian.*

FREDERICK HORNSTEIN. Chicago, Ill. 1204 *McCulloh St.*

Ph. B., University of Chicago, 1905. *Philosophy.*

HERBERT EUGENE IVES. Weehawken, N. J. 1125 *McCulloh St.*

S. B., University of Pennsylvania, 1905. *Physics, Physical Chemistry, and Mathematics.*

RALPH VAN DEMAN MAGOFFIN. Washington, D. C.

A. B., University of Michigan, 1902; Fellow, American School of Classical Studies, Rome, 1906-07. *Latin, Archaeology, and Greek.*
1124 *McCulloh St.*

EDWARD G. MAHIN. La Fayette, Ind. 1021 *Linden Av.*

S. B., Purdue University, 1901, and M. S., 1903. *Chemistry, Physical Chemistry, and Mathematics.*

BRAINERD MEARS. Williamstown, Mass. 261 *W. Hoffman St.*

A. B., Williams College, 1903, and A. M., 1905. *Chemistry, Physical Chemistry, and Geology.*

CHARLES AUGUSTUS MYERS. Baltimore. 1421 *W. Franklin St.*

A. B., Johns Hopkins University, 1902. *English, French, and Philosophy.*

LEWIS L. REFORD. Montreal, Can. 803 *Cathedral St.*

M. D. C. M., McGill University, 1904. *Pathology.* (Resigned, without entering on the fellowship, to become Assistant in Surgery.)

JOSEPH THEOPHILUS SINGEWALD, JR. Baltimore. 318 *S. Broadway.*

A. B., Johns Hopkins University, 1906. *Geology.*

CHARLES D. SNYDER. San Francisco, Cal. 1408 *Park Av.*

A. B., Leland Stanford Jr. University, 1896; Ph. D., University of California, 1905. *Physiology.*

ERNEST RADCLIFFE SPEDDEN. Baltimore. 619 *N. Carrollton Av.*

A. B., Dickinson College, 1904, and A. M., 1907. *Political Economy, Political Science, and History of Philosophy.*

WILLIAM WALKER STRONG. Mechanicsburg, Pa. 1741 *McCulloh St.*

S. B., Dickinson College, 1905. *Physics, Physical Chemistry, and Mathematics.*

WILLIAM AVERILL STOWELL. St. Paul, Minn. 221 *W. Monument St.*

A. B., Princeton University, 1904. *Romance Languages.*

SEDLEY LYNCH WARE. Charleston, S. C. 1600 *Mt. Royal Av.*

B. es Lett., University of France, 1891; A. B., University of Oxford, 1895; LL. B., Columbia University, 1900. *History, Political Science, and Political Economy.*

MILTON CHARLES WINTERNITZ. Baltimore. 116 *S. Broadway.*

A. B., Johns Hopkins University, 1903, and M. D., 1907. *Pathology.*

(21)

OTHER GRADUATE STUDENTS IN PHILOSOPHY

JOHN CALVIN ADAIR. Tarkio, Mo. 1118 *Madison Av.*

A. B., Westminster College (Pa.), 1886. *Chemistry.*

THEODORE GEORGE AHRENS. Baltimore. 6 *Beechdale Rd., Roland Pk.*

A. B., Johns Hopkins University, 1893. *Romance Languages.*

FRED. ALLISON. Glade Spring, Va. 228 *W. Lanvale St.*

A. B., Emory and Henry College, 1904. *Physics, Chemistry, and Biology.*

THOMAS BRYCE ASHCRAFT. Marshville, N. C. 1204 *McCulloh St.*

A. B., Wake Forest College, 1906. *Mathematics and Physics.*

HERBERT DOUGLAS AUSTIN. Erie, Pa. 227 *W. Monument St.*

A. B., Princeton University, 1900, and A. M., 1901. *French, Italian, and Spanish.*

RAYMOND BINFORD. Guilford College, N. C. 1213 *McCulloh St.*

S. B., Earlham College, 1901; S. M., University of Chicago, 1906. *Biology.*

FREDERICK HARVEY BLODGETT. Washington, D. C. 1507 *McCulloh St.*

S. B., Rutgers College, 1897, and M. S., 1899. *Botany, Zoology, and Geology.*

DAVID SIMON BLONDHEIM. Baltimore. 714 *Newington Av.*

A. B., Johns Hopkins University, 1906. *French, Spanish, and Latin.*

CARLOS AUGUST BLUME. Wiesbaden, Germany. 416 *W. Hoffman St.*

Wiesbaden Gymnasium, 1904. *Greek, Latin, and Sanskrit.*

JOHN MANNING BOOKER. Baltimore. 208 *W. Monument St.*

A. B., Johns Hopkins University, 1901. *English, German, and French.*

OSCAR ELLIS BRANSKY. Baltimore. 2049 *Wilkens Av.*

A. B., Johns Hopkins University, 1907. *Chemistry.*

WILLIAM HENRY BROWN. Richmond, Va. 418 *N. Broadway.*

S. B., Richmond College, 1906. *Biology.*

JAMES WALLACE BRYAN. Baltimore. 1305 *Bolton St.*

A. B., Johns Hopkins University, 1903; LL. B., University of Maryland, 1905. *Political Science, Philosophy, and Political Economy.*

WILLIAM EDWARD BURGE. Ashland, Va. *Hamilton.*

A. B., Randolph-Macon College, 1903, and A. M., 1906. *Physiology.*

GENTRY CASH. Emory, Va. 228 *W. Lanvale St.*

A. B., Emory and Henry College, 1907. *Chemistry, Physics, and Mathematics.*

PHILIP MAXWELL CHAZAL. Charleston, S. C. 1109 *Madison Av.*

A. B., College of Charleston, 1906. *Chemistry, Physical Chemistry, and Mineralogy.*

GEORGE BROWNLEE CLINKSCALES. Spartanburg, S. C.

S. B. Clemson College, 1902. *Physics, Electricity, and Mathematics.*
1125 *McCulloh St.*

WILLIAM SKINNER COOPER. Detroit, Mich. 701 *N. Calvert St.*

S. B., Alma College, 1906. *Botany and Geology.*

CHARLES ARTHUR CORNELSON. Orangeburg, S. C. 1209 *Myrtle Av.*

A. B., Davidson College, 1904. *English and German.*

Rev. WILLIAM WILBERFORCE COSTIN. Baltimore.

A. B., Mt. Allison College (N. B.), 1895; A. M., Columbian University, 1901. *Philosophy, Experimental Psychology, and History of the Ancient East.*
214 *E. Twenty-second St.*

MARSHALL PERLEY CRAM. Brunswick, Me. 1418 *Bolton St.*

A. B., Bowdoin College, 1904, and A. M., 1905. *Chemistry, Physical Chemistry, and Geology.*

JOHN FRANCIS CREMEN. Baltimore. 1734 *Bolton St.*

A. B., Johns Hopkins University, 1905. *Political Science, Political Economy, and History.*

LUCIUS JUNIUS DESHA. Lexington, Va. 1122 *Madison Av.*

A. B., Washington and Lee University, 1906. *Chemistry, Physical Chemistry, and Mathematics.*

ALBERT GOUCHER DEW. .. Baltimore. 1623 *Edmondson Av,*

A. B., Johns Hopkins University, 1902. *Philosophy and Political Science.*

ERNEST POHL DOETSCH. Baltimore. 733 *W. Lombard St.*

A. B., Johns Hopkins University, 1907. *Chemistry.*

REV. ALBERT C. DUDLEY. Baltimore County. *Relay.*

Princeton Theological Seminary, 1907. *History.*

GEORGE ELLIOTT DUTTON Seaford, Del. 1209 *Myrtle Av.*

A. B., Delaware College, 1904. *English, Spanish, and Philosophy.*

JOHN BOWEN EDWARDS. Westminster. 117 *W. Mulberry St.*

A. B., Western Maryland College, 1903. *Greek, Latin, and Sanskrit.*

Rev. JOHN SUMMERFIELD ENGLE. Baltimore. 19 *W. Saratoga St.*

A. B. and A. M., Roanoke College, 1902.

ARTHUR HOWARD ESTABROOK. Leicester, Mass. 1206 *Bolton St.*

A. B., Clark University, 1905, and A. M., 1906. *Zoology, Botany, and Physiology.*

PERCY SCOTT FLIPPIN. Lynchburg, Va. 1118 *Madison Av.*

A. B., Richmond College, 1906. *History, Political Science, and Political Economy.*

ROGERS HARRISON GALT, JR. Williamsburg, Va. 1726 *Bolton St.*

A. B., Johns Hopkins University, 1907. *Physics.*

JULIA ANNA GARDNER. Chamberlain, S. D.

A. B., Bryn Mawr College, 1905, and A. M., 1907. *Paleontology, Petrography, and Biology.*

ARTHUR MATHEWS GATES. Waterford, Conn. 1750 *Park Av.*

A. B., Wesleyan University, 1894, and A. M., 1895. *Latin, Greek, and Sanskrit.*

ARISTIDE W. GIAMPIETRO. Baltimore. 612 *W. Fayette St.*

Ph. D., Gregorian University, Rome, 1900; M. D., University of Maryland, 1907. *Italian, French, and Spanish.*

EUGENE EDWARD GILL. Baltimore. 630 *N. Carey St.*

Ph. B., Dickinson College, 1897, and A. M., 1898. *Chemistry, Physical Chemistry, and Mineralogy.*

ERNEST ELISHA GORSLINE Rochester, N. Y. 261 *W. Hoffman St.*

S. B., University of Rochester, 1901. *Chemistry, Physical Chemistry, and Physics.*

HARRY CLINTON GOSSARD. Gibsonburg, O. 906 *McCulloh St.*

S. B., Ohio Northern University, 1907. *Mathematics.*

CLARENCE PEMBROKE GOULD. Baltimore. 508 *E. Twenty-third St.*

A. B., Johns Hopkins University, 1907. *History.*

JOHN SHARSHALL GRASTY. Staunton, Va. 1004 *McCulloh St.*

A. B., Johns Hopkins University, 1902. *Geology, Mineralogy, and Chemistry.*

BENJAMIN HARRISON GRAVE. Monrovia, Ind. *Embla Park.*

S. B., Earlham College, 1903. *Zoology.*

LARS OLAI GRONDAHL. Hendrum, Minn. 1214 *McCulloh St.*

S. B., St. Olaf College, 1904, and M. S., 1906. *Physics, Physical Chemistry, and Mathematics.*

DAVID VANCE GUTHRIE. Waynesboro, Va. 1702 *N. Calvert St.*

A. B., Washington and Lee University, 1903, and A. M., 1904. *Physics, Physical Chemistry, and Mathematics.*

JOHN GRAHAM HARGRAVE. Oliver, Va. 635 *W. Mulberry St.*

A. B., St. Stephen's College, 1901, and A. M., 1905. *German.*

FRANCIS JOSEPH HEMELT. Baltimore. 403 *S. Washington St.*

A. B., Loyola College, 1906. *English.*

JOSEPH ELLIS HODGSON. Chambersburg, Va. 2710 *Parkwood Av.*

A. B., Washington and Lee University, 1900. *Mathematics.*

ALICE WATKINS HOOD. Baltimore. 1231 *N. Calvert St.*

A. B., Bryn Mawr College, 1898; A. M., Radcliffe College, 1899. *Philosophy.*

ISAAC ARCHER HORNE. Pendleton, N. C. 307 *Dolphin St.*

A. B., Wake Forest College, 1903. *English.*

WILLIAM DANA HOYT. Baltimore. 609 *Lennox St.*

A. B., University of Georgia, 1901, and M. S., 1904. *Botany, Zoology, and Geology.*

WILLIAM MUSE HUNLEY. Baltimore. 2 *Roslyn Av., Walbrook.*

A. B., Johns Hopkins University, 1903. *Political Science, Political Economy, and Philosophy.*

CARL ALFRED JACOBSON. Wood Lake, Wis. 1005 *Linden Av.*

S. B., Carleton College, 1903, and M. S., 1907. *Chemistry, Physical Chemistry, and Physics.*

ALBAN CHESTER JOHNSON. Loch Broom, Nova Scotia.

A. B., Dalhousie University, 1904. *Greek, Latin, and Sanskrit.*
1719 *McCulloh St.*

JAMES MCINTOSH JOHNSON. Newberry, S. C. 261 *W. Hoffman St.*

S. B., Newberry College, 1902, and A. M., 1903. *Chemistry, Physical Chemistry, and Mathematics.*

CLINTON MAURY KILBY. Suffolk, Va. 1013 *Madison Av.*

A. M., Randolph-Macon College, 1896. *Physics, Physical Chemistry, and Mathematics.*

ANDREW HOFFMAN KRUG. Baltimore. 838 *E. Preston St.*

A. B., St. John's College, 1901. *English, French, and Philosophy.*

Rev. JOHN B. LALIME, S. J. Montreal, Can. *Loyola College.*

A. B., Laval University (Quebec), 1900. *Physics, Physical Chemistry, and Mathematics.*

WILLIAM THOMAS LAPRADE. Penhook, Va. 1205 *McCulloh St.*

A. B., Washington Christian College, 1906. *History, Political Economy, and Philosophy.*

GUSTAV GEORGE LAUBSCHER. Cleveland, O. 1205 *Madison Av.*

A. B., Adelbert College, 1906. *French, Spanish, and Italian.*

THOMAS ROBERT LE COMPTE. Cambridge. 1809 *N. Charles St.*

A. B., Western Maryland College, 1907. *Chemistry.*

DAVID DEITCH LEIB. Boiling Springs, Pa. 1741 *McCulloh St.*

A. B., Dickinson College, 1903, and A. M., 1905. *Mathematics and Physics.*

FLORENCE PARTHENIA LEWIS. Austin, Tex. 1104 *McCulloh St.*

A. B., University of Texas, 1897; A. M., Radcliffe College, 1906. *Mathematics.*

THOMAS ALBERT LEWIS. Dawn, Mo. 261 *W. Hoffman St.*

A. B., William Jewell College, 1905. *Philosophy, Psychology, and Biology.*

HOMER PAYSON LITTLE. Dalton, Mass. 1122 *Madison Av.*

A. B., Williams College, 1906. *Geology, Mineralogy, and Chemistry.*

CHRISTOPHER LONGEST. Pontotoc, Miss. 1012 *Madison Av.*

A. B., University of Mississippi, 1900. *English, Latin, and Spanish.*

CHARLES FREDERICK LORENZ. Iowa City, Iowa. 1125 *McCulloh St.*

S. B., State University of Iowa, 1897, and M. S., 1898. *Physics, Physical Chemistry, and Mathematics.*

WILLIAM BOSE MARYE. Baltimore. 14 *E. Preston St.*

A. B., Johns Hopkins University, 1907. *Classical Archaeology, Latin, and Greek.*

JAMES FREDERICK MASON. Baltimore. 1416 *McCulloh St.*

A. B., Harvard University, 1902. *Romance Languages.*

JOHN MABRY MATHEWS. Baltimore. 1010 *N. Fulton Av.*

A. B., Johns Hopkins University, 1906. *Political Science, Political Economy, and History.*

THOMAS POOLE MAYNARD. Mt. Airy. 216 *W. Lanvale St.*

A. B., Johns Hopkins University, 1905. *Geology.*

DAVID ALOYSIUS MCCABE. Baltimore. 1116 *N. Eutaw St.*

A. B., Harvard University, 1904. *Political Economy, Political Science, and History.*

CLEMENT ORESTES MEREDITH. Guilford College, N. C.

A. B., Guilford College, 1900, and Haverford College, 1901. *Latin, French, and Spanish.* 1213 *McCulloh St.*

CHARLES FERDINAND MEYER. Baltimore.

A. B., Johns Hopkins University, 1906. *Physics.*

211 *Goodwood Gardens, Roland Pk.*

EDMOND HARRIS MORSE. Baltimore. *The Cecil, N. Eutaw St.*

A. B., Johns Hopkins University, 1906. *Political Science.*

HARMON VAIL MORSE. Baltimore. *The Cecil.*

A. B., Johns Hopkins University, 1905. *Chemistry, Physical Chemistry, and Mineralogy.*

THOMAS ADDIS EMMET MOSELEY. Baltimore. 614 *N. Howard St.*

A. B., Johns Hopkins University, 1907. *Romance Languages.*

SIDNEY NIRDLINGER. Galesburg, Ill. 1418 *McCulloh St.*

S. B., Knox College, 1906. *Chemistry, Physical Chemistry, and Physics.*

NELS ANDREAS OLSEN. Herscher, Ill. 1213 *McCulloh St.*

A. B., Luther College, 1907. *History and Political Economy.*

BERNARD MARK PARELHOFF. Baltimore. 812 *W. Lombard St.*

A. B., Johns Hopkins University, 1907. *Chemistry.*

KENNETH STUART PATTON. Charlottesville, Va. 1416 *McCulloh St.*

A. B., University of Virginia, 1904. *French, Spanish, and Italian.*

SAMUEL LAWRENCE POWELL. Baltimore. 927 *McCulloh St.*

A. B., Pennsylvania College, 1885. *Geology.*

HARRY HESS REICHARD. Hellertown, Pa. 241 *W. Preston St.*

A. B., Lafayette College, 1901, and A. M., 1905. *Greek, Latin, and Archaeology.*

HARVEY CLAYTON RENTSCHLER. Hamburg, Pa. 829 *N. Fremont St.*

A. B., Princeton University, 1903, and A. M., 1904. *Physics, Physical Chemistry, and Electricity.*

HENRY CLARENCE ROBERTSON, JR. Spartanburg, S. C.

A. B., Wofford College, 1905, and A. M., 1906. *Chemistry, Physical Chemistry, and Biology.*

1125 *McCulloh St.*

LEWIS BAYARD ROBINSON, JR. Baltimore. 306 *E. Twenty-second St.*

A. B., Johns Hopkins University, 1906. *Mathematics.*

WILBUR HIGH ROYSTER. Raleigh, N. C. 906 *McCulloh St.*

A. B., University of North Carolina, 1907. *Greek and Latin.*

THOMAS DE COURSEY RUTH. Baltimore.

A. B., Johns Hopkins University, 1906. *Latin, Greek, and Sanskrit.*

208 *Edgevale Rd., Roland Pk.*

ASA ARTHUR SCHAEFFER. Kunkeltown, Pa. 261 *W. Hoffman St.*

A. B., Franklin and Marshall College, 1904. *Zoology, Physiology, and Botany.*

GEORGE VICTOR SCHICK. Fort Wayne, Ind. 757 *W. Fayette St.*

Concordia College, 1904; Concordia Seminary (St. Louis), 1907. *Hebrew, Assyrian, and Greek.*

MAURICE ROLAND SCHMIDT. Baltimore. 2906 *Parkwood Av.*

A. B., Johns Hopkins University, 1906. *Chemistry, Physical Chemistry, and Geology.*

WILLIAM FREDERICK SCHULZ. Baltimore. 1814 *McCulloh St.*

Proficient in Electricity, J. H. U., 1893; E. E., University of Illinois, 1900. *Physics, Physical Chemistry, and Mathematics.*

OTIS BURGESS SEARS. Baltimore. 518 *N. Fulton Av.*

A. B., Christian University (Mo.), 1890; Ph. D., University of Virginia, 1902, and A. M., 1907. *Greek, Latin, and Hebrew.*

REV. JAMES I. SHANNON, S. J. St. Louis, Mo. *Loyola College.*

St. Louis University, 1897-1900, 1902-06. *Physics, Physical Chemistry, and Mathematics.*

KARL SINGEWALD. Baltimore. 318 *S. Broadway.*

A. B., Johns Hopkins University, 1907. *Political Science and History.*

EDGAR APPLE SLAGLE. Westminster. 261 *W. Hoffman St.*

Ph. B., Franklin and Marshall College, 1904. *Chemistry, Physical Chemistry, and Physics.*

HORATIO ELWIN SMITH. Brattleboro, Vt. 227 *W. Monument St.*

Amherst College, 1908. *French, Spanish, and Italian.*

GEORGE WASHINGTON SOUTH, JR. Berwyn, Pa.

A. B., Harvard University, 1903. *Philosophy and Psychology.*

JAMES ALBERT SPRENGER. Cressona, Pa. 227 *W. Monument St.*

A. B., Amherst College, 1907. *Romance Languages.*

FRANK TENNEY STOCKTON. Meadville, Pa. 1202 *McCulloh St.*

A. B., Allegheny College, 1907. *Political Economy, Political Science, and History.*

JOHN MORRIS SUPER. Baltimore. 1319 *W. Lanvale St.*

A. B., Johns Hopkins University, 1905. *Romance Languages.*

LE ROY LADD SUTHERLAND. Richmond, Va. 315 *W. Hoffman St.*

A. B., Richmond College, 1904, and A. M., 1905. *Chemistry.*

HERMAN IVAH THOMSEN. Baltimore. 212 *E. Preston St.*

A. B., Harvard University, 1881. *Mathematics and History.*

OLIVER TOWLES. University of Virginia. 930 *Madison Av.*

A. B., University of Virginia, 1906. *French, Spanish, and Italian.*

EDWARD RAYMOND TURNER. Baltimore. 1728 *N. Charles St.*

A. B., St. John's College, 1904. *History and Political Economy.*

JOHANNES KARL ROBERT KONRAD UHLIG. Baltimore.

A. B., Johns Hopkins University, 1906. *Chemistry.* 718 *N. Howard St.*

JOHN HENRY VOSS. Baltimore County. *Govans.*

A. B., University of Nebraska, 1902. *German.*

ANTHONY PELZER WAGENER. Charleston, S. C. 1210 *McCulloh St.*

A. B., College of Charleston, 1906. *Latin, Greek, and Sanskrit.*

CHARLES PRESTON WEAVER. Baltimore. 1203 *McCulloh St.*

A. B., Wake Forest College, 1904, and A. M., 1907. *English, Philosophy, and German.*

JOHN BOISEAU WIESEL. Baltimore. 1101 *Madison Av.*

A. B., Loyola College, 1907. *Chemistry.*

RICHARD CLAGGETT WILLIAMS. Baltimore. 1726 *N. Calvert St.*

A. B., Princeton University, 1900. *Geology.*

ROBERT DANIEL WILLIAMS. Racine, Wis. 405 *Wilson St.*

A. B., Princeton University, 1903. Fellow, 1903-04, and A. M., 1904; Fellow, Johns Hopkins University, 1904-06. *Philosophy, Experimental Psychology, and Oriental History.*

GEORGE ELLAS WISEWELL. Phelps, N. Y. 1121 *Madison Av.*

Ph. B., Hamilton College, 1904. *French, Spanish, and Italian.*

WILLIAM WRIGHT WOOD. Baltimore. 2802 *Parkwood Av.*

A. M., Central College (Mo.), 1887. *Semitic Languages.*

POWHATAN JOHNSON WOOLDRIDGE. Louisville, Ky.

A. B., Johns Hopkins University, 1898. *Chemistry, Physical Chemistry, and Geology.* *The Sherwood.*

EMANUEL GEORGE ZIES. Baltimore.

A. B., Johns Hopkins University, 1906. *Chemistry, Physical Chemistry, and Geology.* *Athol Terrace (P. O. Sta. D.).*

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ATTENDANTS ON SINGLE COURSES

CLARA LATIMER BACON. Baltimore. 2316 *N. Calvert St.*

A. B., Wellesley College, 1890; A. M., University of Chicago, 1904. *Mathematics.*

JAMES CORNELIUS BARBOUR. Louisville, Ky. 17 *N. Clinton St.*

S. B. Central University, 1896. *Chemistry.*

ARTHUR BIBBINS. Baltimore. 2313 *N. Charles St.*

Ph. B., Albion College, 1887. *Geology.*

EDWIN THOMAS CHEETHAM. Baltimore. 737 *W. Lexington St.*

A. B., Wooster University, 1897. *Political Economy.*

CHARLES GHEQUIERE FENWICK. Baltimore. 118 *W. Lanvale St.*

Loyola College; Woodstock College. *Political Economy.*

WILLIAM HOWARD GAHAN. Baltimore. 2625 *N. Charles St.*

A. B., Loyola College, 1905. *Political Science.*

CHARLES FREDERICK GLOTH. Baltimore. 605 *St. Paul St.*

A. B., Yale University, 1897. *French.*

GEORGE MITCHELL GRIFFITH. Baltimore. 603 *Reservoir St.*

A. B., Johns Hopkins University, 1906. *Political Science.*

WILLIAM JAMES HEAPS. Baltimore. 310 *W. Hoffman St.*

A. M., Allegheny College, 1893; LL. B., Baltimore Law School, 1903. *Chemistry.*

PHILIP IGNATIUS HEUISLER. Baltimore. 1807 *W. Baltimore St.*

S. B., Loyola College, 1906. *Chemistry.*

LOUIS FOLTAT HILDEBRANDT. Baltimore. 1217 *Mosher St.*

A. B., Johns Hopkins University, 1902. *Spanish.*

HENRY ROGERS KREIDER. Baltimore. 310 *W. Hoffman St.*

A. B. and A. M., Franklin and Marshall College, 1898. *Chemistry.*

Rev. LUTHER F. MILLER. Baltimore. 2019 *Gough St.*

A. B., Pennsylvania College, 1895; Gettysburg Theological Seminary, 1898. *Biology.*

EMERSON BOYD MORROW. Baltimore. *Country School.*

A. B., Princeton University, 1904, and A. M., 1905. *Mathematics.*

Rev. ALBERT OSWALD MULLEN. Baltimore. 207 *E. Lafayette Av.*

A. B., Pennsylvania College, 1891; Gettysburg Theological Seminary, 1894. *Political Economy.*

LILA VERPLANCK NORTH. Baltimore. *Woman's College.*

A. B., Bryn Mawr College, 1895. *Classical Archaeology.*

RALPH OSBORN. Columbia, S. C. 1401 *McCulloh St.*

A. B., University of South Carolina, 1900, and A. M., 1903. *Physics.*

MORRIS ALBERT ROME. Baltimore. 1737 *E. Baltimore St.*

LL. B., University of Maryland, 1907. *English and Political Economy.*

JOSEPH EUGENE ROWE. Emmittsburg. 853 *Hamilton Ter.*

A. B., Pennsylvania College, 1904. *Mathematics.*

EDWARD HINMAN SIRICH. Baltimore. 3011 *Clifton Av.*

A. B., Johns Hopkins University, 1906. *Romance Languages.*

H. WIRT STEELE. Baltimore. 1321 *Madison Av.*

University of Indiana. *Political Economy.*

MATTHEW J. WALSH. Brookland, D. C. *Brookland.*

Litt. B., University of Notre Dame, 1903; Ph. D., Catholic University, 1907. *Political Economy.*

HARRY M. WEGEFARTH. Baltimore. 3 *W. North Av.*

M. D., Baltimore Medical College, 1906. *English.*

DAVID EMRICH WEGLEIN. Baltimore. 1833 *Linden Av.*

A. B., Johns Hopkins University, 1897. *Mathematics.*

Graduate Students in Medicine

Candidates for the Degree of M. D.

Fourth Year

Solomon Jacob Appelbaum. Rochester, N. Y. 610 *N. Broadway.*
A. B., University of Rochester, 1904.

Joseph Robson Bromwell Branch. Ellicott City.
A. B. Johns Hopkins University, 1904. 227 *W. Monument St.*

Addison Gorgas Brenizer, Jr. Charlotte, N. C.
A. B., University of North Carolina, 1904. 227 *W. Monument St.*

James Stewart Brotherhood. Brooklyn, N. Y. 1710 *N. Broadway.*
S. B., Dartmouth College, 1904.

Carl Herbert Bryant. Independence, Mo. 103 *Jackson Pl.*
Ph. B., Yale University, 1904.

Jonathan Edward Burns, Jr. Charlestown, W. Va.
A. B., University of Virginia, 1904. 1711 *Fairmount Av.*

Christian Frederick Carstens. Ackley, Ia. 1717 *Fairmount Av.*
A. B., Lake Forest College, 1901.

Webster Kimball Clark. Wethersfield, Conn. 125 *Jackson Pl.*
Ph. B., Yale University, 1904.

Ralph DeBallard Clarke. New London, Conn.
A. B., New York University, 1904. 1710 *N. Broadway.*

Jean Valjean Cooke. Morgantown, W. Va. 510 *N. Broadway.*
A. B., University of West Virginia, 1903, and Yale University, 1904.

Edward Vincent Coolahan. Baltimore. 43 *S. Schroeder St.*
A. B., Rock Hill College, 1903.

Frederick Aloysius Coughlin. Woonsocket, R. I.
A. B., Brown University, 1904. 726 *N. Broadway.*

Samuel James Crowe. Atlanta, Ga. 510 *N. Broadway.*
A. B., University of Georgia, 1904.

Edward Adams Deming. Hartford, Conn. 1734 *E. Fayette St.*
Ph. B., Yale University, 1904.

Henry Strong Denison. Denver, Colo. 847 *Ducatel St.*
A. B., Cornell University, 1905.

WILLIAM REUBEN S. DENNER. Manchester. 412 *N. Broadway.*

A. B., Pennsylvania College, 1904.

HERMAN FERDINAND DERGE. Eau Claire, Wis. 510 *N. Broadway.*

A. B., University of Wisconsin, 1904.

ROBERT URIEL DRINKARD. Blacksburg, Va. 529 *N. Wolfe St.*

S. B., Virginia Polytechnic Institute, 1904.

WILLIAM WADDELL DUKE. Kansas City, Mo. 109 *Jackson Pl.*

Ph. B., Yale University, 1904.

HERBERT MCLEAN EVANS. Modesto, Cal. 1123 *N. Caroline St.*

S. B., University of California, 1904, and Medical Department, 1904-05.

JAMES THOMAS FLANAGAN. Waterbury, Conn. 318 *N. Broadway.*

A. B., Mt. St. Mary's College, 1903; Graduate Student, Johns Hopkins University, 1903-04.

JAMES RICHARD FRÖW. Lewistown, Pa. 113 *Jackson Pl.*

A. B., Lafayette College, 1904.

RALPH OTTOMAR FUERBRINGER. Saginaw, Mich. 1031 *Cathedral St.*

A. B., Johns Hopkins University, 1904; Summer Session, University of Wisconsin, 1905.

GEORGE BURTON GILBERT. Thomaston, Ct.

A. B., Yale University, 1903.

RANDOLPH MACON GRIMM. Stephens City, Va. 1016 *N. Broadway.*

A. B., Randolph-Macon College, 1902, and A. M., 1903.

WILLIAM EDWARD GROVE. Madison, Wis. 2403 *E. Madison St.*

A. B., University of Wisconsin, 1904.

FREDERICK FRETAGEOT GUNDRUM. Riverside, Cal.

A. B., Leland Stanford Jr. University, 1903. 510 *N. Broadway.*

SYLVAN LEWIS HAAS. Grass Valley, Cal. 314 *N. Broadway.*

S. B., University of California, 1904.

FREDERIC MOIR HANES. Winston-Salem, N. C. 520 *N. Broadway.*

A. B., University of North Carolina, 1903; A. M., Harvard University, 1904.

HENRY HANSON. Vermillion, S. Dak. 823 *N. Montford Av.*

A. B., University of South Dakota, 1902.

PAUL WILBERFORCE HARRISON. Scribner, Neb.

A. B., University of Nebraska, 1905, and Medical Department, 1903-05. 1802 *E. Monument St.*

GEORGE W. K. HARTMAN. Merced, Cal. 1531 *N. Broadway.*

S. B., University of California, 1903.

WILLIAM HARRY HIGGINS. Stanford, Ky. 1717 *Fairmount Av.*

A. B., Central University (Ky.), 1904.

MINER CLIFFORD HILL. Trenton, N. J. 510 *N. Broadway.*

S. B., Princeton University, 1904.

CHARLES AUGUSTUS LAMONT. Albion, N. Y. 1731 *N. Broadway.*

A. B., Yale University, 1905.

WILBUR LESLIE LECRON. Baltimore. 1410 *Mt. Royal Av.*

A. B., Johns Hopkins University, 1904.

EDWARD EMANUEL LINDEMAN. New York, N. Y. 519 *N. Wolfe St.*

Ph. B., Yale University, 1905.

JANVIER WHITTON LINDSAY. Washington, D. C.

A. B., Columbia University, 1904. 1506 *N. Broadway.*

HARRY WALTER MASENHEIMER. Manchester, Pa. 1020 *N. Broadway.*

A. B., St. John's College, 1904.

CHARLES HENRY MAY. Manchester, Pa. 1020 *N. Broadway.*

A. B., Pennsylvania College, 1904.

ROBERT WILLIAM BAINBRIDGE MAYO. Hyattsville.

A. B., Maryland Agricultural College, 1903, and M. S., 1904. 1020 *N. Broadway.*

JAMES ALPHONSUS MCCANN. Providence, R. I. 510 *N. Broadway.*

Ph. B., Brown University, 1904.

ROY DONALDSON MCCLURE. Columbus, O. 305 *N. Broadway.*

A. B., Ohio State University, 1904.

PATRICK JOSEPH MCDONNELL. Archbald, Pa. 510 *N. Broadway.*

Ph. B., Wesleyan University (Conn.), 1904.

CHARLES WILSON MILLS. Pittsfield, Mass. 1710 *N. Broadway.*

A. B., Williams College, 1902.

WARREN PEARL MORRILL. Benton Harbor, Mich.

Ph. B., University of Michigan, 1898; University of Illinois (Med. Dept.), 1904-1905. 2403 *E. Madison St.*

GROVER CLEVELAND NEY. Harrisonburg, Va. 1020 *N. Broadway.*

A. B., Mt. St. Joseph's College, 1904.

JAMES HARRY OPPENHEIMER. Cincinnati, O. 830 *N. Broadway.*

A. B., Harvard University, 1904.

CARROLL DUNHAM PARTRIDGE. Bennington, Vt.

S. B., University of Vermont, 1900; Assistant and Instructor in Chemistry, Cornell University, 1900-1904; Summer Quarter, University of Chicago, 1904-1905. 1632 *Jefferson St.*

FRANK GIBSON PORTER. Baltimore. 2908 *Parkwood Av.*

A. B., Johns Hopkins University, 1904.

ROBERT SHEFFEY PRESTON. Marion, Va. 510 *N. Broadway.*
A. B., Hampden-Sidney College, 1903; A. M., Princeton University, 1904.

FREDERICK SYLVANUS RAY. Riverside, Cal. 109 *Jackson Pl.*
S. B., University of California, 1904.

LILLIAN EMELINE RAY. Palo Alto, Cal. 702 *N. Broadway.*
A. B., Leland Stanford Jr. University, 1897, and A. M., 1901.

ALFRED JOSEPH RIDGES, JR. Salt Lake City, Utah.
S. B., University of Utah, 1900. 1701 *N. Caroline St.*

HAMILTON RINDE. Grafton, N. Dak. 529 *N. Wolfe St.*
A. B., University of North Dakota, 1902.

JAMES LEE ROBINSON. Palestine, Texas. 521 *N. Wolfe St.*
A. B., University of Texas, 1904; Summer Session, Harvard Medical School, 1906.

JAMES ISAAC SCARBOROUGH. Newport, Ark. 118 *Jackson Pl.*
A. B., Princeton University, 1904.

LAURENCE SELLING. Portland, Ore. 810 *N. Broadway.*
A. B., Yale University, 1904.

CLARENCE ALBERT SHORE. Winston-Salem, N. C.
S. B., University of North Carolina, 1901, M. S., 1902, and Medical Department, 1903-04. 520 *N. Broadway.*

HARRY PHILIP SHUGERMAN. Birmingham, Ala. 610 *N. Broadway.*
A. B., Howard College, 1901; Columbia University, 1902-1904.

ROLAND LEIGHTON STACY. South Berwick, Me.
A. B., Dickinson College, 1904, and A. M., 1907. 1717 *Fairmount Av.*

WILLIAM M. THALHIMER. Richmond, Va. 1710 *Linden Av.*
S. B., Richmond College, 1903; Cornell University, Summer Sessions of 1902 and 1903.

ALBERT AGNEW THOMAS. Linton, Ind. 505 *N. Wolfe St.*
A. B., Indiana University, 1904.

DWIGHT WALLACE TRACY. Hartford, Conn. 709 *St. Paul St.*
Ph. B., Yale University, 1904.

CECIL WOODS VEST. Montezuma, Ia. 1709 *Fairmount Av.*
S. B., Iowa College, 1904.

UDO JULIUS WILE. New York, N. Y. 125 *Jackson Pl.*
A. B., Columbia University, 1904, and Medical Department, 1903-04.

JAMES HOMER WILSON. Cumberland. 318 *N. Broadway.*
Ph. B., Lafayette College, 1904.

JOSEPH KENT WORTHINGTON. Philadelphia. 1732 *E. Fayette St.*
A. B., Haverford College, 1903.

Third Year

CHARLES ROBERT AUSTRIAN. Baltimore. 2005 *Eutaw Place.*
A. B., Johns Hopkins University, 1904.

WALTER ALBERT BAETJER. Baltimore. 2324 *Callow Av.*
A. B., Johns Hopkins University, 1905.

JAMES ALVIN BASS. Baltimore. *Catonsville.*
A. B., Johns Hopkins University, 1905.

JULIAN LEE BIRDSONG. Sparta, Ga. 1022 *N. Broadway.*
S. B., University of Nashville, 1899.

SAMUEL WALTHALL BUDD. Petersburg, Va. 120 *Jackson Pl.*
A. B., Hampden-Sidney College, 1904; Graduate Student, Johns Hopkins University, 1904-05.

MONTROSE THOMAS BURROWS. Halstead, Kan. 1731 *N. Broadway.*
A. B., University of Kansas, 1905.

BENDER ZELOTES CASHMAN. New Oxford, Pa. 122 *Jackson Pl.*
A. B., Pennsylvania College, 1905.

ARTHUR BOND CECIL. Millersville. *S. W. Cor. Ann St. and Fairmount Av.*
A. B., St. John's College, 1905.

FLORENCE CHAPMAN CHILD. Philadelphia, Pa. 702 *N. Broadway.*
A. B., Bryn Mawr College, 1905.

THOMAS PATRICK COAN. Baltimore. 867 *Hollins St.*
A. B., Mt. St. Joseph's College, 1903.

WALTER FRANCIS COLE. Rockingham, N. C. 125 *Jackson Pl.*
S. B., Clemson College, 1902; A. B., University of North Carolina, 1905.

FRANCIS MARION CONFER. Monroe, Wis. 1025 *N. Broadway.*
A. B., University of Wisconsin, 1905.

HARRY LEWIS CONNETT. Athens, O. 421 *N. Broadway.*
Ph. B., Ohio University, 1905.

ERNEST COOPER. Columbia, S. C. 1515 *E. Biddle St.*
A. B., South Carolina College, 1900.

JENNINGS CRAWFORD. Cedar Rapids, Ia. 116 *Jackson Pl.*
Ph. B., Coe College, 1905.

JAMES WATSON WILLIAMS DIMON. Utica, N. Y. 626 *N. Broadway.*
A. B., Williams College, 1905.

JOHN ROSCOE ELLIOTT. Laurel, Del. 1217 *N. Caroline St.*
A. B., Western Maryland College, 1905.

MAX WASHABAUGH EMMERT. Atlantic, Ia. 718 *N. Broadway.*
A. B., University of Iowa, 1905.

CHARLES RHEIN ESSICK. Reading, Pa. 1731 *N. Broadway.*
A. B., Yale University, 1905.

WILLIAM LAWRENCE ESTES, JR. South Bethlehem, Pa.
A. B., Lehigh University, 1905. 706 *N. Broadway.*

THOMAS LUDLOW FERENBAUGH. Howard, O. 1019 *N. Broadway.*
A. B., Kenyon College, 1905.

ARTHUR OSCAR FISHER. Baraboo, Wis. 1025 *N. Broadway.*
A. B., University of Wisconsin, 1905.

H. QUIGG FLETCHER. Jackson, Ga. 305 *N. Broadway.*
A. B., University of Georgia, 1904; Student of Medicine, Tulane University, 1904-05.

ERNEST ROBERT GENTRY. Minneapolis, Kan. 206 *N. Broadway.*
A. B., University of Kansas, 1905, and Medical Department, 1905-1906.

ETHEL MATHEWS GIRDWOOD. West Orange, N. J. 804 *N. Broadway.*
A. B., Bryn Mawr College, 1903.

EMIL GOETTSCH. Davenport, Ia.
S. B., University of Chicago, 1903, and Ph. D., 1906.

WILLIAM ERNEST HART. Washington, Pa. 1019 *N. Broadway.*
S. B., Washington and Jefferson College, 1905.

THOMAS WILLIAM HARVEY, JR. Orange, N. J. 1734 *E. Fayette St.*
S. B., Princeton University, 1905.

PHILIP CHARLES JEANS. Hillsboro, O. 1338 *N. Eden St.*
A. B., University of Kansas, 1904.

CHARLES RAWSON KINGSLEY, JR. West New Brighton, N. Y.
S. B., New York University, 1905. 610 *N. Broadway.*

BALDWIN MANN. Buffalo, N. Y. 106 *Jackson Pl.*
A. B., Williams College, 1905.

FRED MARLIN MEADER. N. Haverhill, N. H. 541 *N. Luzerne St.*
S. B., Wesleyan University (Conn.), 1902, and M. S., 1905.

PHILIP BALL MOSS. Fort Smith, Ark. 422 *N. Broadway.*
S. B., Central University (Ky.), 1905.

JAMES B. MURPHY. Morganton, N. C. 120 *Jackson Pl.*
S. B., University of North Carolina, 1905.

LYMAN CLEMENTS MURPHY. Burlington, N. C.
A. B., Johns Hopkins University, 1902. 1743 *Jefferson St.*

PATRICK IRELAND NIXON. Gonzales, Texas. 1720 *Fairmount Av.*
A. B., University of Texas, 1905.

GEORGE RUPP PRETZ. Steelton, Pa. 1731 *Fairmount Av.*
S. B., Pennsylvania College, 1905.

ANDREW WATSON SELLARDS. Scranton, Kan. 1338 *N. Eden St.*

A. B., University of Kansas, 1903, and A. M., 1904.

THOMAS PECK SPRUNT. Charleston, S. C. 1025 *N. Broadway.*

A. B., Davidson College, 1903.

LILLIAN GURINE STEVENSON. Tacoma, Wash. 529 *N. Wolfe St.*

A. B., Whitworth College, 1905; Graduate Student, University of Wisconsin, Summers of 1906 and 1907.

JAMES RUSSELL STEWART. Logansport, Ind. 718 *N. Broadway.*

A. B., Lake Forest College, 1905.

EDWARD WENTZ STICK. Hanover, Pa. 135 *N. Broadway.*

A. B., Franklin and Marshall College, 1904.

HERBERT SEDGEFIELD THOMSON. Berkeley, Cal. 305 *N. Broadway.*

S. B., University of California, 1904.

JULIA MARIA TORREY. Cleveland, O. 823 *N. Montford Av.*

A. B., Boston University, 1888; University of Michigan (Med Dept.), two years.

CHARLES EDWARD TROTTER. Franklin, N. C. 1515 *E. Biddle St.*

S. B., N. C. College of Agriculture and Mechanic Arts, 1903; Graduate Student, Johns Hopkins University, 1904-05.

ROBERT LESTER WAITE. Hartford, Conn. 111 *Jackson Pl.*

Ph. B., Yale University, 1905.

ISAAC CHANDLER WALKER. Bridgton, Me. 306 *W. Lanvale St.*

A. B., Johns Hopkins University, 1905.

WILLIAM GLENN WALLACE. Mattoon, Ill. 1024 *N. Broadway.*

S. B., Hanover College, 1905.

DUNCAN CAMERON WALTON. Annapolis. *S. W. Cor. Ann St. and Fairmount Av.*

A. B., St. John's College, 1905.

LEON HARLAN WATKINS. Opelika, Ala. 424 *N. Broadway.*

A. B., Southern University, 1903, and A. M., 1905.

CHARLES WALLACE WEBB. Texarkana, Ark. 122 *Jackson Pl.*

S. B., University of Arkansas, 1905.

ARTHUR JAMES WIESENDER. Dartford, Wis. 318 *N. Broadway.*

A. B., Ripon College, 1905.

GUSTAV HERMAN WOLTERECK. Baltimore. 628 *E. Eager St.*

A. B., Johns Hopkins University, 1905.

WALTER SIMRALL WYATT. New Decatur, Ala. 1041 *N. Broadway.*

S. B., University of Alabama, 1904, and M. S., 1905.

IVA CATHERINE YOUMANS. Fairfax, S. C. 541 *N. Luzerne St.*

A. B., Converse College, 1897; New York University Summer School, 1904; Woman's Medical College of Baltimore, 1904-05.

Second Year

MARY DAYTON ALLEN. Holland Patent, N. Y. 720 *N. Broadway.*
A. B., Mt. Holyoke College, 1905.

MOSES HAVEN BAKER. Stackwell, Ind. 715 *N. Calvert St.*
S. B., Purdue University, 1905.

HENRY GRAY BARBOUR. Hartford, Conn. 118 *Jackson Pl.*
A. B., Trinity College (Conn.), 1906.

EMIL BOEHM. St. Louis, Mo. 318 *N. Broadway.*
S. B., St. Louis University, 1906.

WILLIAM SYMINGTON BOLE. Bozeman, Mont. 135 *Jackson Pl.*
S. B., Montana Agricultural College, 1906.

CARL FERDINAND BOOKWALTER. Danville, Ill. 106 *Jackson Pl.*
S. B., Purdue University, 1900.

ETHAN FLAGG BUTLER. Washington, D. C. 110 *Jackson Pl.*
A. B., Princeton University, 1906.

WALTER AUSTIN CALIHAN. Rochester, N. Y. 104 *Jackson Pl.*
A. B., University of Rochester, 1906.

ROSS STAGG CARTER. San Diego, Cal. 706 *N. Broadway.*
A. B., Leland Stanford Jr. University, 1905.

THOMAS RODNEY CHAMBERS. Baltimore. 18 *W. Franklin St.*
A. B., Johns Hopkins University, 1906.

CLAUDE CARR CODY. Georgetown, Tex. 1041 *N. Broadway.*
A. B., Southwestern University, 1904, A. M., 1905, and Student of Medicine, 1905-07.

HENRY THEODORE COLLENBERG. Baltimore. 1810 *E. Baltimore St.*
A. B., Johns Hopkins University, 1906.

HASKETT LYNCH CONNER. New Albany, Ind. 505 *N. Wolfe St.*
A. B., De Pauw University, 1906.

HENRY NICHOLAS COSTELLO. Hartford, Conn. 104 *Jackson Pl.*
A. B., Yale University, 1906.

MELTON DOWNIE COUNCIL. Helena, Ga. 1014 *N. Broadway.*
Ph. B., Emory College, 1905.

WALTER EDWARD DANDY. Sedalia, Mo. 141 *Jackson Pl.*
A. B., University of Missouri, 1907, and Student of Medicine, 1906-07.

CLINTON DEMAS DEMING. Hartford, Conn. 1734 *E. Fayette St.*
A. B., Yale University, 1907, and Student of Medicine, 1906-07.

BERNARD SOLOMON DENZER. New York City. 111 *Jackson Pl.*
A. B., Columbia University, 1906.

THOMAS ALAN DEVAN. New Brunswick, N. J. 1743 *Jefferson St.*
S. B., Rutgers College, 1906.

BARUCH MORDECAI EDLAVITCH Baltimore. 1136 *E. Pratt St.*
A. B., Johns Hopkins University, 1906.

RALPH LANDIS ENGLE. Palmyra, Pa. 527 *N. Wolfe St.*
A. B., Lebanon Valley College, 1905; A. M., Yale University, 1906.

HORACE BURNETT FENTON. Portland, Ore. 810 *N. Broadway.*
A. B., University of Oregon, 1906.

EDGAR L. GILCREEST. Gainesville, Texas. 715 *N. Calvert St.*
A. B., University of Texas, 1906.

HYMAN GINSBERG. De Funiak Springs, Fla. 418 N. *Broadway.*
S. B., University of Georgia, 1906.

LEMUEL WHITTINGTON GORHAM. Albany, N. Y. 428 *N. Broadway.*
A. B., Yale University, 1906.

WILLIAM LAWRENCE GRIMES. Lexington, N. C. 520 *N. Broadway.*
S. B., University of North Carolina, 1906.

CROWELL CLAIRINTON HALL, JR. Dover, Me. 520 *N. Broadway.*
A. B., Bowdoin College, 1906.

RUNKLE FISHER HEGEMAN. New Germantown, N. J.
A. B., Princeton University, 1906. 1032 *N. Broadway.*

WILLIAM RUTLEDGE HUDSON. Luray, Va. 711 *St. Paul St.*
A. B., Washington and Lee University, 1906.

HENRY GILDERSLEEVE JARVIS. Gildersleeve, Ct. 1415 *N. Broadway.*
A. B., Yale University, 1906.

ALBERT EUGENE JOHANN. Canton, Mo. 1222 *N. Broadway.*
A. B., Christian University, 1906; Graduate Student, University of Chicago, Summer of 1906.

CLARENCE ARTHUR JOHNSON. Silver Lake, Kan. 706 *N. Broadway.*
A. B., Washburn College, 1906.

CHARLES COLBY KNOWLTON. Ellsworth, Me. 520 *N. Broadway.*
A. B., Bowdoin College, 1906.

SAMUEL LABAN LEDBETTER, JR. Birmingham, Ala.
S. B., University of Alabama, 1906. 1814 *N. Broadway.*

RALPH HERMAN MAJOR. Liberty, Mo. 1222 *N. Broadway.*
A. B., William Jewell College, 1902; Graduate Student, Universities of Leipsic, Munich and Chicago, 1904-1906.

ALBERT FRANCIS MATTICE. Sedro, Wash. 111 *Jackson Pl.*
S. B., South Dakota Agricultural College, 1904.

SYDNEY ROBOTHAM MILLER. Newark, N. J. 610 *N. Broadway.*
S. B., New York University, 1905.

DANA ELBRA MONROE. Cameron, Tex. 541 *N. Luzerne St.*
A. B., University of Texas, 1906.

RAYMOND BARTLETT MORRIS. Olean, N. Y. 1717 *Fairmount Av.*
A. B., Yale University, 1907, and Medical Department, 1906-1907.

ANGUS WASHBURN MORRISON. Minneapolis, Minn.
A. B., Yale University, 1906. 428 *N. Broadway.*

DOUGLASS HOWELL MORSE. San Francisco, Cal. 144 *Jackson Pl.*
B. S., University of California, 1907, and Medical Department, 1906-07.

JAMES CRAIG NEEL. Marietta, O. 1006 *N. Broadway.*
Ph. B., Marietta College, 1906.

WILLIAM BRADFORD NEWCOMB. Sassafras, Va. 126 *Jackson Pl.*
A. B., College of William and Mary, 1906.

FIRMADGE KING NICHOLS. Baltimore. 535 *N. Carrollton Av.*
A. B., Johns Hopkins University, 1906

SAMUEL TIMOTHY NICHOLSON, JR. Bath, N. C. 1622 *N. Broadway.*
A. B., University of North Carolina, 1906.

WILLEY HIGBY NORTON. Staunton, Va. 1043 *N. Broadway.*
A. B., Ohio University, 1906.

JEAN PAUL PRATT. Wellington, O. 1004 *E. 20th St.*
A. B., Ohio State University, 1906.

CHESNEY MACAULAY RAMAGE. Fairmont, W. Va. 1623 *N. Broadway.*
S. B., West Virginia University, 1907.

ALICE RHODE. Chicago, Ill. 529 *N. Wolfe St.*
S. B., University of Chicago, 1903.

ROBERT LEWIS RHODES. Louisville, Ga. 1613 *E. Biddle St.*
A. B., Emory College, 1906.

WALTER BLACK ROGERS. Washington, Pa. 1019 *N. Broadway.*
A. B., Washington and Jefferson College, 1906.

JAMES WENDEL ROSENFELD Portland, Ore. 706 *N. Broadway.*
A. B., Leland Stanford Jr. University, 1906.

RAYMOND SANDERSON. Scranton, Pa. 110 *Jackson Pl.*
S. B., Princeton University, 1905.

HERBERT MILFORD SENSENY. Cleveland, O. 1032 *N. Broadway.*
A. B., Adelbert College, 1906.

JOHN WILLIAM SHEETZ. New Oxford, Pa. 135 *N. Broadway.*
Ph. B., Franklin and Marshall College, 1906.

HENRY AUGUSTUS STEPHENSON. Homeville, Va. 1016 *N. Broadway.*
A. B., Randolph-Macon College, 1906.

HOWARD LESTER TAYLOR. Keeseville, N. Y. 1726 *St. Paul St.*
A. B., Oberlin College, 1906.

WILLIAM LAWSON THORNTON. Talladega, Ala. 1041 *N. Broadway.*
S. B., Alabama Polytechnic Institute, 1903.

THOMAS PALMER TREDWAY. Fawn Grove, Pa. 18 *W. Franklin St.*
A. B., Western Maryland College, 1906.

ARTHUR DE TALMA VALK. Annapolis. *S. W. Cor. Ann St. and Fairmount Av.*
A. B., St. John's College, 1906.

HERBERT FRANCIS VANORDEN. Brazil, S. A. 116 *Jackson Pl.*
Ph. B., Yale University, 1907, and Medical Department, 1906-1907.

EDGAR PERKINS WALLS. Barclay. 1217 *N. Caroline St.*
S. B., Maryland Agricultural College, 1903, and A. M., 1905.

CLYDE EMIL WATSON. Kingwood, W. Va. 1641 *N. Caroline St.*
S. B., West Virginia University, 1905.

HELEN WATSON. East Braintree, Mass. 720 *N. Broadway.*
A. B., Wellesley College, 1905.

MILTON WEINBERG. Manning, S. C. 716 *N. Broadway.*
A. B., University of South Carolina, 1906.

THEODORE HENRY WENNING. Cincinnati. O. 527 *N. Wolfe St.*
A. B., St. Xavier College, 1904; Graduate Student, University of Cincinnati, 1904-1906.

MILEY BARTON WESSON, JR. El Paso, Tex. 1220 *N. Broadway.*
S. B., University of Texas, 1902.

JAMES HARVEY WHITCRAFT. Carrollton, O. 716 *N. Broadway.*
S. B., University of Wooster, 1905.

LUKE V. ZARTMAN. Columbus, O. 1032 *N. Broadway.*
A. B., Ohio State University, 1906. (69)

First Year

LESTER ADAMS. Bangor, Me., 520 *N. Broadway.*
A. B., Bowdoin College, 1907.

JAIME DE ANGULO. Paris, France.
B. es. Lett., University of Paris, 1906.

CHARLES MCELVY BALLARD. New York, N. Y. 1019 *N. Broadway.*
B. L., Kenyon College, 1906.

ELMIRA ISABEL BARDEN. Gage, N. Y. 720 *N. Broadway.*
A. B., Mt. Holyoke College, 1906.

JOHN VAN DOREN BEDINGER. Anchorage, Ky. 604 *Lennox St.*
B. S., Princeton University, 1907.

WALTER SCOTT BENNETT. Glens Falls, N. Y., 1632 *Jefferson St.*
A. B., Colgate University, 1904.

WILLIAM EDWIN BIRD, JR. Baltimore. 412 *E. Randall St.*
A. B., Johns Hopkins University, 1907.

ARTHUR LEONARD BLOOMFIELD. Baltimore. 861 *Park Av.*
A. B., Johns Hopkins University, 1907.

JOHN ROCHESTER BOOTH. Petersburg, Va. 1016 *N. Broadway.*
A. B., Randolph-Macon College, 1907.

GEORGE EDWARD BROCKWAY, JR. Salem, N. Y. 1701 *N. Caroline St.*
A. B., Williams College, 1907; Summer Session, Cornell Univ., 1907.

BARNEY BROOKS. El Paso, Texas. 125 *Jackson Pl.*
B. S., University of Texas, 1905.

JAMES WHITE BRUCE. Louisville, Ky. 1019 *N. Broadway.*
A. B., Yale University, 1907.

EARLE BUELL CARTER. Waterbury, Ct. 700 *W. Lafayette Av.*
Ph. B., Yale University, 1907.

RAYMOND JOHN CARY. Atlantic, Ia. 718 *N. Broadway.*
B. S., Iowa College, 1906; University of Chicago, Summer Sessions, 1904 and 1905.

JOSEPH DAVID COHN. Corpus Christi, Texas. 1032 *N. Broadway.*
A. B., University of Texas, 1907.

JOHN COLLINSON, JR. South River. 716 *N. Broadway.*
A. B., St. John's College, 1907.

JOHN ARCHIBALD CAMPBELL COLSTON. Baltimore. 1016 *St. Paul St.*
Ph. B., Yale University, 1907.

GEORGE WASHINGTON COX. Litchfield, Ill. 1706 *E. Monument St.*
B. S., University of Chicago, 1907.

FRANCIS RANDOLPH CRAWFORD. Kernstown, Va. 122 *Jackson Pl.*
A. B., Washington and Lee University, 1906.

DAVID MELVIN DAVIS. Buffalo, N. Y. 103 *Jackson Pl.*
B. S., Princeton University, 1907.

WILLIAM MILAS DUNN. Lancaster, Pa. 1006 *N. Broadway.*
A. B., Davidson College, 1903; Summer Session, Columbia University, 1907.

RALPH HENRY DUNNING. Auburn, N. Y. 1711 *Fairmount Av.*
A. B., Yale University, 1907.

JAMES RITTENHOUSE EVANS. Pottstown Pa. 318 *N. Broadway.*
B. S., Rensselaer Polytechnic Institute, 1905.

CARY FINK. Matthews, Ky. 1021 *Cathedral St.*
A. B., Vassar College, 1906.

CLARENCE BEAUCHAMP FISH. Lexington, Ky. 420 *N. Broadway.*
B. S., Kentucky State College, 1907.

HIRAM FRIED. Baltimore. 2551 *Madison Av.*
A. B., Johns Hopkins University, 1907.

WILLIAM A. FRONTZ. Hughesville, Pa. 706 *N. Broadway.*
A. B., Princeton University, 1907.

WILLIAM DIXON FULLERTON. Chillicothe O. 1529 *Bolton St.*
Ph. B., Yale University, 1907.

HIRAM MARY GALLAGHER. El Paso, Texas. 144 *Jackson Pl.*
A. B., Catholic University of America, 1907; Summer Session, University of Chicago, 1907.

THOMAS HENRY GILLAND. Greencastle, Pa. 22 *N. Chester St.*
Ph. B., Lafayette College, 1907.

NONA GOULD. New York, N. Y. 527 *N. Wolfe St.*
B. S., Barnard College, 1905.

ERNEST OWSLEY GRANT. Louisville, Ky. 802 *N. Broadway.*
A. B., Central University of Kentucky, 1907.

ELMER CHESTER GROSS. Walla Walla, Wash. 720 *N. Broadway.*
B. L., Whitman College, 1906.

ROY WALLACE HAMMACK. Harrington, Wash. 420 *N. Broadway.*
A. B., University of Oregon, 1907.

CLIFFORD CLINTON HARTMAN. Pittsburg, Pa. 129 *Jackson Pl.*
B. S., Pennsylvania College, 1907.

WILLIAM HALL HAWKINS. Midway, Ky. 422 *N. Broadway.*
A. B., Central University of Kentucky, 1906; Student of Medicine, Hospital College of Medicine, 1906-07.

ERNEST SINGLETON HENRY. Bethesda. 1408 *E. Biddle St.*
A. B., Johns Hopkins University, 1907.

WILLIAM BRAWNER HETFIELD. Brookland, D. C. 1022 *N. Broadway.*
A. B., Catholic University of America, 1907.

FRANK MAHLON HOLCOMBE. Keeseville, N. Y. 937 *N. Broadway.*
A. B., University of Vermont, 1907.

CHARLES ELAM HOPE. Oak Ridge, La. 420 *N. Broadway.*
B. S., Louisiana State University, 1907.

ANNA HUBERT. Seattle, Wash. 1705 *Fairmount Av.*
A. B., University of Washington, 1901, and A. M., 1904.

JOHN ATKINSON HUNNICUTT, JR. Athens, Ga. 1006 *N. Broadway.*
A. B., University of Georgia, 1907.

JOHN VAN DOREN BEDINGER. Anchorage, Ky. 604 *Lennox St.*
B. S., Princeton University, 1907.

WALTER SCOTT BENNETT. Glens Falls, N. Y., 1632 *Jefferson St.*
A. B., Colgate University, 1904.

WILLIAM EDWIN BIRD, JR. Baltimore. 412 *E. Randall St.*
A. B., Johns Hopkins University, 1907.

ARTHUR LEONARD BLOOMFIELD. Baltimore. 861 *Park Av.*
A. B., Johns Hopkins University, 1907.

JOHN ROCHESTER BOOTH. Petersburg, Va. 1016 *N. Broadway.*
A. B., Randolph-Macon College, 1907.

GEORGE EDWARD BROCKWAY, JR. Salem, N. Y. 1701 *N. Caroline St.*
A. B., Williams College, 1907; Summer Session, Cornell Univ., 1907.

BARNEY BROOKS. El Paso, Texas. 125 *Jackson Pl.*
B. S., University of Texas, 1905.

JAMES WHITE BRUCE. Louisville, Ky. 1019 *N. Broadway.*
A. B., Yale University, 1907.

EARLE BUELL CARTER. Waterbury, Ct. 700 *W. Lafayette Av.*
Ph. B., Yale University, 1907.

RAYMOND JOHN CARY. Atlantic, Ia. 718 *N. Broadway.*
B. S., Iowa College, 1906; University of Chicago, Summer Sessions, 1904 and 1905.

JOSEPH DAVID COHN. Corpus Christi, Texas. 1032 *N. Broadway.*
A. B., University of Texas, 1907.

JOHN COLLINSON, JR. South River. 716 *N. Broadway.*
A. B., St. John's College, 1907.

JOHN ARCHIBALD CAMPBELL COLSTON. Baltimore. 1016 *St. Paul St.*
Ph. B., Yale University, 1907.

GEORGE WASHINGTON COX. Litchfield, Ill. 1706 *E. Monument St.*
B. S., University of Chicago, 1907.

FRANCIS RANDOLPH CRAWFORD. Kernstown, Va. 122 *Jackson Pl.*
A. B., Washington and Lee University, 1906.

DAVID MELVIN DAVIS. Buffalo, N. Y. 103 *Jackson Pl.*
B. S., Princeton University, 1907.

WILLIAM MILAS DUNN. Lancaster, Pa. 1006 *N. Broadway.*
A. B., Davidson College, 1903; Summer Session, Columbia University, 1907.

RALPH HENRY DUNNING. Auburn, N. Y. 1711 *Fairmount Av.*
A. B., Yale University, 1907.

JAMES RITTENHOUSE EVANS. Pottstown Pa. 318 *N. Broadway.*
B. S., Rensselaer Polytechnic Institute, 1905.

CARY FINK. Matthews, Ky. 1021 *Cathedral St.*
A. B., Vassar College, 1906.

CLARENCE BEAUCHAMP FISH. Lexington, Ky. 420 *N. Broadway.*
B. S., Kentucky State College, 1907.

HIRAM FRIED. Baltimore. 2551 *Madison Av.*
A. B., Johns Hopkins University, 1907.

WILLIAM A. FRONTZ. Hughesville, Pa. 706 *N. Broadway.*
A. B., Princeton University, 1907.

WILLIAM DIXON FULLERTON. Chillicothe O. 1529 *Bolton St.*
Ph. B., Yale University, 1907.

HIRAM MARY GALLAGHER. El Paso, Texas. 144 *Jackson Pl.*
A. B., Catholic University of America, 1907; Summer Session, University of Chicago, 1907.

THOMAS HENRY GILLAND. Greencastle, Pa. 22 *N. Chester St.*
Ph. B., Lafayette College, 1907.

NONA GOULD. New York, N. Y. 527 *N. Wolfe St.*
B. S., Barnard College, 1905.

ERNEST OWSLEY GRANT. Louisville, Ky. 802 *N. Broadway.*
A. B., Central University of Kentucky, 1907.

ELMER CHESTER GROSS. Walla Walla, Wash. 720 *N. Broadway.*
B. L., Whitman College, 1906.

ROY WALLACE HAMMACK. Harrington, Wash. 420 *N. Broadway.*
A. B., University of Oregon, 1907.

CLIFFORD CLINTON HARTMAN. Pittsburg, Pa. 129 *Jackson Pl.*
B. S., Pennsylvania College, 1907.

WILLIAM HALL HAWKINS. Midway, Ky. 422 *N. Broadway.*
A. B., Central University of Kentucky, 1906; Student of Medicine, Hospital College of Medicine, 1906-07.

ERNEST SINGLETON HENRY. Bethesda. 1408 *E. Biddle St.*
A. B., Johns Hopkins University, 1907.

WILLIAM BRAWNER HETFIELD. Brookland, D. C. 1022 *N. Broadway.*
A. B., Catholic University of America, 1907.

FRANK MAHLON HOLCOMBE. Keeseville, N. Y. 937 *N. Broadway.*
A. B., University of Vermont, 1907.

CHARLES ELAM HOPE. Oak Ridge, La. 420 *N. Broadway.*
B. S., Louisiana State University, 1907.

ANNA HUBERT. Seattle, Wash. 1705 *Fairmount Av.*
A. B., University of Washington, 1901, and A. M., 1904.

JOHN ATKINSON HUNNICUTT, JR. Athens, Ga. 1006 *N. Broadway.*
A. B., University of Georgia, 1907.

JOHN VAN DOREN BEDINGER. Anchorage, Ky. 604 *Lennox St.*
B. S., Princeton University, 1907.

WALTER SCOTT BENNETT. Glens Falls, N. Y., 1632 *Jefferson St.*
A. B., Colgate University, 1904.

WILLIAM EDWIN BIRD, JR. Baltimore. 412 *E. Randall St.*
A. B., Johns Hopkins University, 1907.

ARTHUR LEONARD BLOOMFIELD. Baltimore. 861 *Park Av.*
A. B., Johns Hopkins University, 1907.

JOHN ROCHESTER BOOTH. Petersburg, Va. 1016 *N. Broadway.*
A. B., Randolph-Macon College, 1907.

GEORGE EDWARD BROCKWAY, JR. Salem, N. Y. 1701 *N. Caroline St.*
A. B., Williams College, 1907; Summer Session, Cornell Univ., 1907.

BARNEY BROOKS. El Paso, Texas. 125 *Jackson Pl.*
B. S., University of Texas, 1905.

JAMES WHITE BRUCE. Louisville, Ky. 1019 *N. Broadway.*
A. B., Yale University, 1907.

EARLE BUELL CARTER. Waterbury, Ct. 700 *W. Lafayette Av.*
Ph. B., Yale University, 1907.

RAYMOND JOHN CARY. Atlantic, Ia. 718 *N. Broadway.*
B. S., Iowa College, 1906; University of Chicago, Summer Sessions, 1904 and 1905.

JOSEPH DAVID COHN. Corpus Christi, Texas. 1032 *N. Broadway.*
A. B., University of Texas, 1907.

JOHN COLLINSON, JR. South River. 716 *N. Broadway.*
A. B., St. John's College, 1907.

JOHN ARCHIBALD CAMPBELL COLSTON. Baltimore. 1016 *St. Paul St.*
Ph. B., Yale University, 1907.

GEORGE WASHINGTON COX. Litchfield, Ill. 1706 *E. Monument St.*
B. S., University of Chicago, 1907.

FRANCIS RANDOLPH CRAWFORD. Kernstown, Va. 122 *Jackson Pl.*
A. B., Washington and Lee University, 1906.

DAVID MELVIN DAVIS. Buffalo, N. Y. 103 *Jackson Pl.*
B. S., Princeton University, 1907.

WILLIAM MILAS DUNN. Lancaster, Pa. 1006 *N. Broadway.*
A. B., Davidson College, 1903; Summer Session, Columbia University, 1907.

RALPH HENRY DUNNING. Auburn, N. Y. 1711 *Fairmount Av.*
A. B., Yale University, 1907.

JAMES RITTENHOUSE EVANS. Pottstown Pa. 318 *N. Broadway.*
B. S., Rensselaer Polytechnic Institute, 1905.

CARY FINK. Matthews, Ky. 1021 *Cathedral St.*
A. B., Vassar College, 1906.

CLARENCE BEAUCHAMP FISH. Lexington, Ky. 420 *N. Broadway.*
B. S., Kentucky State College, 1907.

HIRAM FRIED. Baltimore. 2551 *Madison Av.*
A. B., Johns Hopkins University, 1907.

WILLIAM A. FRONTZ. Hughesville, Pa. 706 *N. Broadway.*
A. B., Princeton University, 1907.

WILLIAM DIXON FULLERTON. Chillicothe O. 1529 *Bolton St.*
Ph. B., Yale University, 1907.

HIRAM MARY GALLAGHER. El Paso, Texas. 144 *Jackson Pl.*
A. B., Catholic University of America, 1907; Summer Session, University of Chicago, 1907.

THOMAS HENRY GILLAND. Greencastle, Pa. 22 *N. Chester St.*
Ph. B., Lafayette College, 1907.

NONA GOULD. New York, N. Y. 527 *N. Wolfe St.*
B. S., Barnard College, 1905.

ERNEST OWSLEY GRANT. Louisville, Ky. 802 *N. Broadway.*
A. B., Central University of Kentucky, 1907.

ELMER CHESTER GROSS. Walla Walla, Wash. 720 *N. Broadway.*
B. L., Whitman College, 1906.

ROY WALLACE HAMMACK. Harrington, Wash. 420 *N. Broadway.*
A. B., University of Oregon, 1907.

CLIFFORD CLINTON HARTMAN. Pittsburg, Pa. 129 *Jackson Pl.*
B. S., Pennsylvania College, 1907.

WILLIAM HALL HAWKINS. Midway, Ky. 422 *N. Broadway.*
A. B., Central University of Kentucky, 1906; Student of Medicine, Hospital College of Medicine, 1906-07.

ERNEST SINGLETON HENRY. Bethesda. 1408 *E. Biddle St.*
A. B., Johns Hopkins University, 1907.

WILLIAM BRAWNER HETFIELD. Brookland, D. C. 1022 *N. Broadway.*
A. B., Catholic University of America, 1907.

FRANK MAHLON HOLCOMBE. Keeseville, N. Y. 937 *N. Broadway.*
A. B., University of Vermont, 1907.

CHARLES ELAM HOPE. Oak Ridge, La. 420 *N. Broadway.*
B. S., Louisiana State University, 1907.

ANNA HUBERT. Seattle, Wash. 1705 *Fairmount Av.*
A. B., University of Washington, 1901, and A. M., 1904.

JOHN ATKINSON HUNNICUTT, JR. Athens, Ga. 1006 *N. Broadway.*
A. B., University of Georgia, 1907.

BARBARA HUNT. Bangor, Me. 533 *N. Wolfe St.*

A. B., Vassar College, 1906; University of Maine, Summer School, 1907.

NANCY BLANCHE JENISON. Chicago, Ill. 1646 *E. Monument St.*

A. B., Wells College, 1898; Graduate Student, University of Chicago, 1907.

CHARLES CHAUNCEY WINSOR JUDD. Pittsburg, Pa. 110 *Jackson Pl.*

A. B., Kenyon College, 1907.

LLOYD WARREN KETRON. Bloomingdale, Tenn. 706 *N. Broadway.*

A. B., Grant University, 1907.

TEDROW SYLVESTER KEYSER. Canal Dover, O. 1022 *N. Broadway.*

A. B., Wittenberg College, 1907.

BENJAMIN KLINE. Reading, Pa. 806 *N. Bond St.*

A. B., Swarthmore College, 1907.

HOWARD JAMES KNOTT. Walla Walla, Wash. 720 *N. Broadway.*

B. S., Whitman College, 1907.

LINDA BARTELS LANGE. New York, N. Y. 233 *W. Preston St.*

A. B., Bryn Mawr College, 1903.

VEADER NEWTON LEONARD. New Haven, Ct. 821 *Arlington Av.*

Ph. B., Yale University, 1907.

WILLIAM HENRY LICHT. Geneva, N. Y. 118 *Jackson Pl.*

B. S., Trinity College (Hartford), 1907.

HANS LISSER. San Francisco, Cal. 1016 *N. Broadway.*

A. B., University of California, 1907.

DREW WILLIAM LUTEN. Hickman, Ky. 141 *Jackson Pl.*

A. B., Kentucky State College, 1901; Fellow, Vanderbilt Univ., 1903-04.

HERBERT LEE MCNEIL. Houston, Tex. 1041 *N. Broadway.*

A. B., Southwestern University, 1906; Graduate Student, University of Texas, 1906-1907.

MONROE A. MAAS. Selma, Ala. 103 *Jackson Pl.*

A. B., University of Alabama, 1907.

CHARLES GOODWIN MERRIAM. Lexington, Mass. 716 *N. Broadway.*

A. B., Yale University, 1907.

JAMES RAGLAN MILLER. Hartford, Conn. 118 *Jackson Pl.*

A. B., Yale University, 1907.

JAMES ALOYSIUS O'DONNELL. Baltimore. 405 *Warren Av.*

A. B., Loyola College, 1906; Graduate Student, Johns Hopkins University, 1906-07.

THOMAS GROVER ORR. Bosworth, Mo. 141 *Jackson Pl.*

A. B., University of Missouri, 1907.

RALPH SHERBURNE PERKINS. Pittsfield, N. H. 120 *Jackson Pl.*
A. B., Dartmouth College, 1907.

EVERETT DUDLEY PLASS. Poughkeepsie, N. Y. 2605 *E. Preston St.*
A. B., Colgate University, 1907.

IRA HUMPHREY PROUTY. Keene, N. H. 120 *Jackson St.*
B. S., Dartmouth College, 1907.

ARTHUR SAMUEL ROSENFELD. Portland, Ore. 706 *N. Broadway.*
A. B., Leland Stanford Jr. University, 1907.

CHARLES E. RYND. Westfield, N. Y. 1121 *Madison Av.*
B. S., Hamilton College, 1907.

CHARLES ROBERT SAWYER. Glens Falls, N. Y. 104 *Jackson Pl.*
Ph. B., Wesleyan University (Conn.), 1906.

DWIGHT MILTON SAWYER. Glens Falls, N. Y. 104 *Jackson Pl.*
Ph. B., Wesleyan University (Conn.), 1906.

MABEL SEAGRAVE. Seattle, Wash. 1705 *Fairmount Av.*
A. B., Wellesley College, 1905.

RAPHAEL EUSTACE SEMMES, JR. Memphis, Tenn. 141 *Jackson Pl.*
A. B., University of Missouri, 1907.

PAUL ROTHROCK SIEBER. Gettysburg, Pa. 129 *Jackson Pl.*
A. B., Pennsylvania College, 1907.

WILLIAM KNEPPER SKILLING. Lonaconing. 306 *W. Lanvale St.*
A. B., Johns Hopkins University, 1906.

HELEN WILLISTON SMITH. South Wilton, Ct. 201 *N. Broadway.*
A. B., Bryn Mawr College, 1906.

ROY ROSS SNOWDEN. Washington, Pa. 1019 *N. Broadway.*
A. B., Washington and Jefferson College, 1907.

LEWIS CASS SPENCER. Jonesville La. 125 *Jackson Pl.*
B. S., Tulane University, 1907.

MARY WORSDALE SPENCER. Baltimore. 1213 *N. Calvert St.*
A. B., Bryn Mawr College, 1905.

MARSHALL BYRON SPONSLER. Collegeville, Pa. 1802 *E. Monument St.*
A. B., Ursinus College, 1907.

STEPHEN TREAT STANLEY. Norwalk, Ct. 1706 *E. Monument St.*
A. B., Williams College, 1907.

ALEXANDER MCCULLEY STEVENS. Easton. 410 *N. Broadway.*
A. B., St. John's College, 1907.

GEORGE ADOLPH STEWART. Baltimore. 2425 *Madison Av.*
A. B., Johns Hopkins University, 1907.

EDGAR STILLMAN. San Francisco, Cal. 246 *W. Lanvale St.*
A. B., Leland Stanford Jr. University, 1907.

THORNTON EDWIN VAIL. Thompsonville, Ct. 1039 *Lanvale St.*
Ph. B., Yale University, 1907.

ISIDORE KALISCH WIENER. Newark, N. J. 610 *N. Broadway.*
A. B., Princeton University, 1907.

EDWIN ROBERT WIESE. Allegheny, Pa. 1021 *N. Broadway.*
A. B., Western University of Pennsylvania, 1907.

CLAUD MAY WINN. Haynesville, La. 1814 *N. Broadway.*
S. B., Tulane University, 1906, and Student of Medicine, 1906-07.

JULIAN MAST WOLFSOHN. Pacific Grove, Cal. 103 *Jackson Pl.*
B. S., University of California, 1905, and M. S., 1907.

PHYSICIANS ATTENDING SPECIAL COURSES, 1907-08

VERNON LEE ANDREWS. Abilene, Kan.

M. D., University Medical College (Kansas City), 1906. *Bacteriology.*

WILLIAM CULLEN BRYANT. Atlanta, Ga.

M. D., Western University of Pennsylvania, 1894. *Pathology, Gross Anatomy, and Genito-Urinary Surgery.*

ALBERT H. CARROLL. Baltimore.

M. D., University of Maryland, 1907. *Gross Anatomy, Bacteriology, and Pathology.*

MAX R. CHARLTON. Clear Lake, Iowa.

S. B., Iowa State University, 1903, and M. D., 1906. *General Course.*

CLARIBEL CONE. Baltimore.

M. D., Woman's Medical College (Balt.), 1890. *Pathology.*

JAMES T. ELLIOTT. East Liverpool, O.

M. D., Ohio Medical University, 1897. *Physiology.*

CARRIE B. ERDMAN. Shamokin, Pa.

M. D., Woman's Medical College (Balto.), 1907. *Medicine.*

J. MEIGS FLIPPIN. Salisbury, N. C.

M. D., College of Physicians and Surgeons (Balt.), 1884. *Genito-Urinary Diseases.*

JOHN N. FORCE. San Francisco, Cal.

S. B., University of California, 1898, and M. D., 1901. *Medicine.*

JOHN R. FRENCH. Los Angeles, Cal.

M. D., University of Southern California, 1905. *Bacteriology.*

JAMES S. GILFILLAN. St. Paul, Minn.

M. D., University of Minnesota, 1897, and University of Pennsylvania, 1898. *Medicine.*

ARTHUR W. HIGGINS. Bridgeport, O.

M. D., College of Physicians and Surgeons (Balt.), 1907. *Medicine.*

RICHARD C. HILL. Great Falls, Mont.

M. D., Cincinnati College of Medicine, 1892, and McGill University, 1905; M. R. C. S. (England), 1906. *Gross Anatomy.*

FREDERICK W. HOBELMAN. Baltimore.

M. D., Baltimore Medical College, 1901. *Genito-Urinary Surgery.*

HARRIET H. HUBBELL. San Francisco, Cal.

M. D., Cooper Medical College, 1890. *Dermatology.*

DANIEL JENIFER. Loch Raven.

M. D., University of Maryland, 1904. *Medicine and Clinical Microscopy.*

EDGAR A. JONES. Wingate.

M. D., Baltimore Medical College, 1893. *Medicine.*

HOWARD W. JONES. Baltimore.
M. D., University of Maryland, 1903. *Medicine.*

THOMAS B. LACEY. Council Bluffs, Iowa.
M. D., Creighton Medical College, 1906. *Operative Surgery and Gross Anatomy.*

ROBERT A. LAMBERT. Catherine, Ala.
M. D., Tulane University, 1907. *Surgical Pathology.*

FRANK W. LARRABEE. Westerly, R. I.
A. B., Bates College, 1891; M. D., Dartmouth College, 1896. *Medicine.*

ALLEN F. LATTA. Graysville, O.
M. D., Louisville Medical College, 1895. *Surgery.*

ELIZABETH L. MARTIN. Pittsburg, Pa.
M. D., Western University of Pennsylvania, 1902. *Medicine.*

GEORGE W. MCCARTHY. N. Prairie, Wis.
M. D., Wisconsin College of Physicians and Surgeons, 1901. *Medicine.*

JAMES W. MCCARVER. Brownwood, Tex.
M. D., University of Texas, 1898. *Surgical Pathology.*

NELSON F. MCCLINTON. Alma, Mich.
M. D., University of Michigan, 1898. *Genito-Urinary Surgery.*

MICHAEL J. NOONE. Scranton, Pa.
M. D., University of Vermont, 1904. *Medicine.*

SILVERSTONE H. O'NEILL. Hamilton, Bermuda.
M. D., College of Physicians and Surgeons (Balt.), 1907. *Medicine.*

GEORGE B. PEARSON. Middletown, Del.
M. D., Albany Medical College, 1897. *Bacteriology.*

GEORGE W. POLLOCK. Wilkinsburg, Pa.
M. D., Western University of Pennsylvania, 1906. *Surgical Pathology and Clinical Microscopy.*

WILLIAM S. PRATHER. Americus, Ga.
M. D., University of Georgia, 1889. *Surgery.*

CHRISTOPHER B. PRESTON. Glade Hill, Va.
M. D., College of Physicians and Surgeons (Balt.), 1907. *Medicine.*

JOHN W. PRESTON. Bluefield, W. Va.
M. D., College of Physicians and Surgeons (Balt.), 1893. *Medicine.*

MANSUR RIFAT. Cairo, Egypt.
M. D., Jefferson Medical College (Philadelphia), 1907. *Medicine.*

JAMES E. ROLES. Union, W. Va.
M. D., Medical College of Virginia, 1897. *Medicine.*

WILLIAM O. ROOP. Harrisburg, Pa.
A. B., Lebanon Valley College, 1901; M. D., University of Maryland, 1907. *Dermatology.*

FREDERICK W. SEARS. Burlington, Vt.
M. D., University of Vermont, 1888.

MAX R. SMIRNOW. New Haven, Conn.
M. D., Yale University, 1906. *Bacteriology.*

BERNARD F. SMITH. Denton, Texas.
M. D., University of Texas, 1906. *Surgical Pathology.*

CHARLES G. SUTHERLAND. Hamilton, Ont.
M. B., University of Toronto, 1907. *Clinical Microscopy and Gross Anatomy.*

JOHN H. TAYLOR. Providence, Ky.
M. D., Vanderbilt University, 1884. *Medicine.*

T. SHELDON TAYLOR. Shelburne, Pa.
M. D., Louisville Medical College, 1907. *Medicine.*

WALTER S. THOMAS. Houston, Texas.
M. D., University of Texas, 1906. *Surgical Pathology.*

FREDERICK E. VEST. Montezuma, Iowa.
M. D., Jefferson Medical College, 1886. *Medicine.*

WILLIAM E. VEST. Baltimore.
M. D., Jefferson Medical College, 1880. *Anatomy.*

HENRY SILAS WARD. Birmingham, Ala.
M. D., University of Nashville, 1898. *Medicine.*

DANIEL A. WEBB. Scranton, Pa.
M. D., Georgetown University, 1896. *Pathology.*

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PHYSICIANS ATTENDING SPECIAL COURSES DURING 1907

[Too late for the Register for 1906-07.]

ROBERT B. ARMSTRONG. Papillion, Neb.
M. D., University of Nebraska, 1894. *Cystoscopy.*

W. H. BODENSTAUB. New Salem, N. D.
M. D., Jefferson Medical College, 1893. *Medicine.*

FLORENCE BYRNES. Jamaica Plain, Mass.
Gross Anatomy.

CHARLES S. CHRISTIE. Riverport, R. I.
M. D., Medical Dept. Bowdoin, 1898. *Medicine.*

MARION COON. Boston, Mass.
M. D., Boston University School of Medicine, 1891. *Clinical Microscopy.*

WARNER R. COUMBE. Blue River, Wis.
M. D., College of Physicians and Surgeons (Chicago), 1901. *Medicine.*

JOHN B. ELLIOTT, JR. New Orleans, La.
M. D., Tulane University, 1894. *Medicine.*

FRANK GRAUER. New York, N. Y.
M. D., Bellevue Hospital Medical College, 1884. *Medicine.*

SUSAN HAYES. Baltimore.
Gross Anatomy.

JOHN H. HERMETET. Industry, Ill.
M. D., Chicago Hahnemann Medical College, 1905. *Medicine.*

DAVID E. HOFF. Union Bridge.
M. D., University of Maryland, 1902. *Medicine.*

ARTHUR M. JACOBUS. New York, N. Y.
M. D., Bellevue Hospital Medical College, 1876. *Medicine.*

WILBURN LASSITER. New Orleans, La.
M. D., Tulane University, 1903. *Medicine.*

WILLIAM L. LAW. Montgomery, Ala.
M. D., Tulane University, 1894. *Medicine.*

FRANK W. MCKEE. Richland Centre, Wis.
M. D., Jefferson Medical College, 1894. *Medicine.*

EDWIN W. MARKHAM. Lee, Mass.
M. D., University of Vermont, 1899. *Medicine.*

ECTOR C. PATTERSON. Liberty, N. Y.
M. D., University of Maryland, 1903. *Medicine.*

CHARLES R. PICKERING. Muscoda, Wis.
M. D., Rush Medical College, 1893. *Medicine.*

EUGENE F. SHEA. Riverport, R. I.
M. D., Baltimore Medical College, 1894. *Medicine.*

EDWARD H. SICKLER. New Baltimore, Mich.
M. D., Detroit College of Medicine, 1896. *Medicine.*

BENJAMIN F. TEFFT. Anthony, R. I.
M. D., University of Maryland, 1905. *Medicine.*

BENNETTA D. TITLOW. Springfield, O.
M. D., Woman's Medical College of Pennsylvania, (Phila.), 1901. *Medicine, Cystoscopy, and Gross Anatomy.*

ALFRED S. WEISS. Lebanon, Pa.
M. D., Medico-Chirurgical, (Phila.), 1903. *Medicine.*

(23)

UNDERGRADUATE STUDENTS

MATRICULATES

GEORGE HINMAN ABEL. Baltimore. *Charles-St. Av. (P. O. Sta. L.).*
Boys' Latin School. *Group IV.* Professor Ames, *Adviser.*

ALFRED GORDON ARMSTRONG. Baltimore. 1700 *Bolton St.*
Baltimore City College. *Group V.* Professor Renouf, *Adviser.*

JAMES BAILY. Baltimore. 2125 *Maryland Av.*
Baltimore Country School. *Group V.* Dr. Brush, *Adviser.*

ISIDOR BLUM. Baltimore. 1816 *Madison Av.*
Baltimore City College. *Group III.* Professor Ogden, *Adviser.*

LINGBURN BURKHEAD BOBBITT. Baltimore. 1010 *Mosher St.*
Baltimore City College. *Group I.* Professor Mustard, *Adviser.*

BENJAMIN FRANCIS PARLETT BRENTON. Balt. 106 *N. Fremont Av.*
Baltimore City College. *Group V.* Professor Renouf, *Adviser.*

FRANK GOTTLOB BREYER. Baltimore. 827 *Edmondson Av.*
Baltimore City College. *Group V.* Professor E. A. Andrews, *Adviser.*

EVELETH WILSON BRIDGMAN. Baltimore County. *Woodbrook.*
Baltimore City College. *Group V.* Professor H. Wood, *Adviser.*

HARRY CLARK BURGAN. Baltimore. 509 *New Boundary Av.*
Mr. Wolfe's School. *Group III.* Professor Vincent, *Adviser.*

HARRY LINGAN CAPLES. Baltimore County. *Cockeysville.*
The Deichmann School. *Group III.* Dr. Brush, *Adviser.*

HORACE HALL CHALMERS. Farmville, Va. 1311 *Linden Av.*
William and Mary College. *Group I.* Professor Spieker, *Adviser.*

ALAN MASON CHESNEY. Baltimore. 1821 *Bolton St.*
Baltimore City College. *Group V.* Dr. Shaw, *Adviser.*

SAMUEL CLAGGETT CHEW, JR. Baltimore.
Boys' Latin School. *Group II.* Dr. Brush, *Adviser.*
3 *Midvale Road, Roland Park.*

JACOB COHEN. Baltimore. 1000 *N. Gay St.*
Baltimore City College. *Group V.* Dr. Cowles, *Adviser.*

CHARLES WYTHE COOKE. Front Royal, Va. 1309 *John St.*
Baltimore City College. *Group IV.* Professor Hulburt, *Adviser.*

GEORGE WASHINGTON CORNER, 3d. Baltimore Co. *Roland Park.*
Boys' Latin School. *Group II.* Professor Smith, *Adviser.*

DANIEL STANLEY ELLIOTT. Baltimore. 1427 *William St.*
Baltimore City College. *Group IV.* Dr. Coble, *Adviser.*

DANIEL LEPSON ENNIS. Baltimore. 623 *N. Carrollton Av.*
The Deichmann School. *Group I.* Professor Spieker, *Adviser.*

ALLAN HERBERT FISHER. Baltimore. 926 *Newington Av.*
Baltimore City College. *Group III.* Professor Ballagh, *Adviser.*

HENRY S. FRANK. Baltimore. 1503 *Eutaw Place.*
Baltimore City College. *Group III.* Professor Vincent, *Adviser.*

EDWIN LOUIS FREDERICK. Baltimore. 1701 *Hollins St.*
Baltimore City College. *Group V.* Dr. Gilpin, *Adviser.*

SAMUEL FREDMAN. Baltimore. 2011 *McCulloh St.*
Baltimore City College. *Group I.* Professor Smith, *Adviser.*

HENRY WARREN FREY. York, Pa. 1326 *N. Mount St.*
York High School. *Group II.* Professor Vos, *Adviser.*

JOHN SLADE GERMAN. Baltimore. 3634 *Falls Road.*
The Deichmann School. *Group I.* Professor Spieker, *Adviser.*

CALVIN HOOKER GODDARD. Baltimore. *The Albion.*
Boys' Latin School. *Group IV.* Dr. Coble, *Adviser.*

WILLIAM STUART GOBTON. Baltimore. 3605 *Windsor Mill Rd.*
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JOSEPH ELLIOTT GREEN. Baltimore. 3333 *Chestnut Av., Hampden.*
Baltimore City College. *Group II.* Professor Vos, *Adviser.*

ELMER LEWIS GREENSFELDER. Baltimore. 1811 *Eutaw Place.*
Baltimore City College. *Group V.* Dr. Gilpin, *Adviser.*

EDWARD P. GUERARD, JR. Charleston, S. C. 1136 *Cathedral St.*
University of the South. *Group III.* Professor Hulburt, *Adviser.*

LEO JULIUS GUTMAN. Baltimore. 1714 *Eutaw Pl.*
Baltimore City College. *Group V.* Professor Armstrong, *Adviser.*

FRANK NEWCOMER HACK. Baltimore. 1211 *St. Paul St.*
University School. *Group III.* Professor Vincent, *Adviser.*

WILLIAM EDWARD HARRISON, JR. Baltimore. 2121 *W. North Av.*
Baltimore City College. *Group III.* Professor Ballagh, *Adviser.*

ALFRED BOUCSEIN HAUPT. Anne Arundel County. *Jessup.*
Baltimore City College. *Group IV.* Professor Hulburt, *Adviser.*

MORTON EMANUEL HECHT. Baltimore. 1616 *Eutaw Pl.*
University School. *Group V.* Dr. Coble, *Adviser.*

HAROLD BROOKS HERING. Baltimore. 416 *Mosher St.*
Baltimore City College. *Group II.* Dr. Kurrelmeyer, *Adviser.*

FRANK GLEN HOLMES. Baltimore. 1629 *W. Mulberry St.*
Baltimore City College. *Group III.* Professor Swarts, *Adviser.*

OLIVER BAKER HOPKINS. Penn Laird, Va. 232 *Laurens St.*
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HERMAN JAMES HUGHES. Baltimore. 132 *S. Patterson Park Av.*
Boys' Latin School. *Group III.* Dr. Kurrelmeyer, *Adviser.*

EDWARD OLSON HULBURT. Baltimore County. *Embla Park.*
Jefferson School. *Group IV.* Professor Bliss, *Adviser.*

WALTER VINCENT JOHNSON. Baltimore. 2015 *St. Paul St.*
Baltimore City College. *Group III.* Professor Ballagh, *Adviser.*

CALEB GUYER KELLY. Baltimore. 2010 *Linden Av.*
Baltimore City College. *Group II.* Professor Vos, *Adviser.*

HARRY LINDEN. Baltimore. 1438 *E. Baltimore St.*
Baltimore City College. *Group V.* Professor Renouf, *Adviser.*

HENRY HOFMANN LOOS. Baltimore. 524 *N. Pine St.*
Baltimore City College. *Group V.* Professor H. Wood, *Adviser.*

DONALD MACKENZIE. Weatherford, Texas. 1221 *Madison Av.*
Hughey and Turner School. *Group V.* Professor Ames, *Adviser.*

HERTEL PHILIP MAKEL. Baltimore. 411 *N. Luzerne St.*
Baltimore City College. *Group V.* Dr. Cowles, *Adviser.*

ARTHUR HERMAN MANN. Louisville, Ky. 807 *Lennox St.*
Louisville High School. *Group III.* Professor Barnett, *Adviser.*

WILLIAM HENNICK MARTIN. Baltimore. 740 *Dolphin St.*
Baltimore City College. *Group III.* Dr. French, *Adviser.*

CHARLES MCCURDY MATHIAS. Thurmont. 1915 *Park Av.*
University School. *Group III.* Professor Barnett, *Adviser.*

ROBERT HENRY MCCAULEY. Hagerstown. 1211 *Madison Av.*
Washington County High School. *Group III.* Professor Barnett, *Adviser.*

SAMUEL SEYMOUR MERRICK. Baltimore. 824 *Park Av.*
Boys' Latin School. *Group III.* Professor Vos, *Adviser.*

JOHN BEAVER METTIE, JR. Raton, N. Mex. 1211 *Madison Av.*
Baltimore City College. *Group V.* Dr. Gilpin, *Adviser.*

DANIEL MILLER. Baltimore. 605 *Park Av.*
Boys' Latin School. *Group III.* Professor Vincent, *Adviser.*

FRANCIS MORRIS MILLER. Baltimore. 1202 *N. Calvert St.*
Boys' Latin School. *Group IV.* Professor Griffin, *Adviser.*

HERBERT LEVY MOSES. Baltimore. 2216 *Callow Av.*
Baltimore City College. *Group V.* Professor Mathews, *Adviser.*

JOHN GARDNER MURRAY, JR. Baltimore. 1933 *St. Paul St.*
Boys' Latin School. *Group V.* Professor Ames, *Adviser.*

HARVEY HUSTON MUSSER. Akron, O. 701 *N. Calvert St.*
Mohegan Lake School. *Group V.* Professor Renouf, *Adviser.*

ROBERT MILTON OVERBECK. Baltimore County. *Govans.*
Baltimore City College. *Group IV.* Dr. Cowles, *Adviser.*

JAMES HAMILTON OWENS. Baltimore. 1203 *John St.*
Baltimore City College. *Group III.* Professor Ballagh, *Adviser.*

PETER PECK. Baltimore. 736 *N. Eutaw St.*
Private Instruction. *Group III.* Professor Barnett, *Adviser.*

FRANKLIN BURCHE PEDRICK. Washington, D. C. 851 *Park Av.*
Washington High School. *Group V.* Professor Ogden, *Adviser.*

ISAAC POTTS. Baltimore. 2110 *E. Monument St.*
The Deichmann School. *Group V.* Professor Renouf, *Adviser.*

GEORGE HEINRICHS PRESTON. Baltimore. 819 *N. Charles St.*
Boys' Latin School. *Group V.* Professor E. A. Andrews, *Adviser.*

HERBERT BRYAN PRICE. Haydens. 1617 *Madison Av.*
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JOHN BERNARD REESIDE, JR. Baltimore. 1001 *W. Cross St.*
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FERDINAND OSCAR WOLFGANG REINHARD. Baltimore.
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1400 *Linden Av.*

LAWRENCE MELVILLE RIDDLE. Baltimore County. 2102 *Eutaw Pl.*
Maryland School for the Blind. *Group II.* Professor Elliott, *Adviser.*

JULIAN WHITE RIDGELY. Baltimore County. *Towson.*
Baltimore Country School. *Group III.* Dr. Brush, *Adviser.*

GILBERT WHITE ROSENTHAL. Baltimore. 815 *Newington Av.*
Baltimore City College. *Group III.* Professor Barnett, *Adviser.*

FRANK SAIONTZ. Baltimore. 132 *N. Broadway.*
Baltimore City College. *Group III.* Dr. Kurrelmeyer, *Adviser.*

GEORGE WILLIAM SATTLER, JR. Baltimore. 2519 *N. Charles St.*
Baltimore Country School. *Group IV.* Professor Bliss, *Adviser.*

HARRY CHRISTIAN SCHMEISSER. Baltimore. 2401 *Eutaw Pl.*
Friends' School. *Group V.* Professor H. Wood, *Adviser.*

PHILIP SCHNEEBERGER. Baltimore. 2014 *McCulloh St.*
Baltimore City College. *Group V.* Dr. Cowles, *Adviser.*

GEORGE HENRY CHARLES SCHWARTZ. Balt. 121 *N. Schroeder St.*
Baltimore City College. *Group II.* Professor Marden, *Adviser.*

EDWARD HENRY SEHRT. Baltimore. 227 *Eastern Av. Ext.*
Baltimore City College. *Group II.* Dr. Kurrelmeyer, *Adviser.*

REGINALD OLIVER SELLMAN. Baltimore. *The Mount Royal.*
Boys' Latin School. *Group V.* Professor Ogden, *Adviser.*

JOSEPH DANIEL SIEGEL. Baltimore. 2004 *Linden Av.*
Baltimore City College. *Group V.* Dr. Cowles, *Adviser.*

F. JANNEY SMITH. Baltimore County. 1007 *Madison Av.*
Jacob Tome Institute. *Group V.* Professor Smith, *Adviser.*

HENRY SONNEBORN, JR. Baltimore. 1608 *Eutaw Pl.*
Private Instruction. *Group V.* Professor Mathews, *Adviser.*

CARROLL MASON SPARROW. Baltimore. 902 *St. Paul St.*
Private Instruction. *Group IV.* Professor Ames, *Adviser.*

WALTER LINS STECKEL. Baltimore. 1815 *St. Paul St.*
Boys' Latin School. *Group IV.* Professor Whitehead, *Adviser.*

WARREN ADAMS STEWART. Baltimore. 2213 *St. Paul St.*
Baltimore City College. *Group III.* Professor Vincent, *Adviser.*

JOSEPH NOBLE STOCKETT, JR. Baltimore. 1604 *John St.*
Baltimore City College. *Group V.* Professor Ames, *Adviser.*

EDWARD CARROLL STOLLENWERCK. Baltimore. 21 *E. Lanvale St.*
Boys' Latin School. *Group III.* Professor Vos, *Adviser.*

DAVID CORBIN STREETT. Baltimore. 712 *Park Av.*
Baltimore City College. *Group V.* Professor E. A. Andrews, *Adviser.*

CHANNING ELLSWORTH SWEITZER. Glen Rock, Pa.
York Collegiate Institute. *Group II.* Professor Armstrong, *Adviser.*
2305 *Madison Av.*

PHILIP LOUIS SYKES. Baltimore. 115 *N. Bond St.*
Baltimore City College. *Group II.* Dr. Kurrelmeyer, *Adviser.*

BENJAMIN TAPPAN. Baltimore. 1419 *Bolton St.*
Jefferson School. *Group I.* Professor Smith, *Adviser.*

RICHARD LLOYD TILGHMAN. Talbot County. 36 *W. Biddle St.*
University School. *Group III.* Professor Vincent, *Adviser.*

MARTILLUS H. TODD. Baltimore. 1202 *E. Monument St.*
Baltimore City College. *Group V.* Professor Vos, *Adviser.*

GEORGE ROSS VEAZEY. Baltimore. 2907 *St. Paul St.*
Baltimore Country School. *Group I.* Professor Spieker, *Adviser.*

RAPHAEL WALTER. Baltimore. 2801 *N. Charles St.*
Yale College. *Group III.* Professor Greene, *Adviser.*

CHARLES LUTHER WARNER. Baltimore. *Forest Park.*
Baltimore City College. *Group V.* Dr. Cowles, *Adviser.*

BENJAMIN FRANCIS WEEMS, JR. Houston, Tex. 1221 *Madison Av.*
Houston High School. *Group V.* Professor Greene, *Adviser.*

PAUL WEGEFARTH. Baltimore. 2031 *Eutaw Pl.*
Baltimore City College. *Group III.* Professor H. Wood, *Adviser.*

FRANKLIN PIERCE WHITCRAFT, JR. Balt. 1302 *W. Lexington St.*
Baltimore City College. *Group III.* Professor Ballagh, *Adviser.*

WILLIAM Z. WHITE. Baltimore. 601 *E. Biddle St.*
Baltimore City College. *Group III.* Professor Ballagh, *Adviser.*

THEODORE SINCLAIR WILL. Baltimore. 1824 *Edmondson Av.*
The Deichmann School. *Group I.* Dr. Shaw, *Adviser.*

FRANCIS THOMAS WILLIAMS. Poolesville. 1417 *W. Mulberry St.*
The Deichmann School. *Group V.* Dr. Kurrelmeyer, *Adviser.*

RALPH COPLESTONE WILLIAMS. Baltimore. 1315 *N. Charles St.*
Baltimore City College. *Group II.* Professor Elliott, *Adviser.*

JAMES REANEY WOLFE. Baltimore. 1931 *St. Paul St.*
Baltimore City College. *Group III.* Professor Barnett, *Adviser.*

JOSEPH PURDON WRIGHT. Baltimore. 1700 *Guilford Av.*
Baltimore City College; LL. B., University of Maryland, 1905. *Group III.* Professor Ballagh, *Adviser.*

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CANDIDATES FOR MATRICULATION

THOMAS HORATIO BEVAN. Baltimore County. *Arlington.*
University School. *Group III.* Professor Vincent, *Adviser.*

GEORGE WILLIAM BISHOP. Baltimore. 1424 *Nicholson St.*
Boys' Latin School. *Group V.* Professor E. A. Andrews, *Adviser.*

JOHN MERRYMAN BLACK. Baltimore County. *Cockeysville.*
Lawrenceville School. *Group II.* Dr. Brush, *Adviser.*

WALTER LIPPS BLANCK. Baltimore. 520 *N. Fulton Av.*
The Deichmann School. *Group V.* Professor Mathews, *Adviser.*

WILLIAM LUNSDON BOND. Baltimore County. *Station E.*
Boys' Latin School. *Group IV.* Professor Bliss, *Adviser.*

HENRY GWYN BRANHAM. Baltimore. 2200 *Eutaw Pl.*
The Deichmann School. *Group V.* Professor Andrews, *Adviser.*

NATHANIEL HAWLEY BRUSH. Baltimore County. *Towson.*
Boys' Latin School. *Group V.* Professor Ogden, *Adviser.*

RAYMOND EARLE COOPER. Baltimore. 426 *Roland Av.*
The Deichmann School. *Group III.* Professor Barnett, *Adviser.*

HARRY VAIL DEALE. Baltimore. 2114 *Maryland Av.*
Baltimore City College. *Group IV.* Dr. Gilpin, *Adviser.*

ALLEN DICKEY. Baltimore County. *Catonsville.*
University School. *Group III.* Professor Ballagh, *Adviser.*

EDMUND DOLEWCZYNSKI. Baltimore. 1741 *Canton Av.*
University of Chicago. *Group II.* Dr. Brush, *Adviser.*

OTIS HERBERT DRAPER. Baltimore County. *Brooklandville.*
St. John's College. *Group III.* Professor Barnett, *Adviser.*

BRENT HARRISON FARBER. Baltimore. 925 *N. Calvert St.*
University School. *Group III.* Dr. Shaw, *Adviser.*

RAYMOND FONDERSMITH GABLE. York, Pa. 205 *E. Mt. Royal Av.*
University of Pennsylvania. *Group II.* Professor Greene, *Adviser.*

JOHN MALLORY HOLMES. Baltimore. 1622 *Harlem Av.*
Baltimore City College, 1904. *Group III.* Professor Griffin, *Adviser.*

HARRY HOMLET. Baltimore. 116 *Park Av.*
Baltimore City College. *Group III.* Professor Vincent, *Adviser.*

CHARLES BRADDOCK JONES. Baltimore. 1278 *Battery Av.*
Baltimore City College. *Group I.* Professor Mustard, *Adviser.*

ROBERT MATTHEWS LARRIMORE. Baltimore. 629 *N. Fulton Av.*
Boys' Latin School. *Group I.* Professor Spieker, *Adviser.*

CARL HENRY LEVAN. Baltimore. 306 *E. Twenty-third St.*
Baltimore City College. *Group II.* Professor Greene, *Adviser.*

ROBERT GLYNN LOWNDES. Howard County. *St. Denis.*
Marston's University School. *Group III.* Professor Smith, *Adviser.*

RUSSELL FLINT MADDREN. Brooklyn, N. Y. 306 *W. Lanvale St.*
Polytechnic Preparatory School, Brooklyn. *Group V.* Professor Renouf, *Adviser.*

LOUIS LEOPOLD MANN. Louisville, Ky. 807 *Lennox St.*
Louisville High School. *Group III.* Professor Ogden, *Adviser.*

JAMES RUSSELL MANNING. Baltimore. 918 *N. Calvert St.*
University School. *Group III.* Dr. Brush, *Adviser.*

SELWYN WILLIAM MARCUS. Baltimore. 2249 *Eutaw Pl.*
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EDWARD DUFFIELD MARTIN. Baltimore. 900 *St. Paul St.*
University School. *Group III.* Dr. Brush, *Adviser.*

NORMAN CLYDE MARVEL. Talbot County. 728 *Dolphin St.*
Deichmann's School. *Group V.* Professor Swartz, *Adviser.*

RICHARD SNOWDEN MCCABE. Baltimore. 2126 *St. Paul St.*
University School. *Group III.* Professor Vincent, *Adviser.*

WILLIAM HOWARD MICHAEL. Harford County. 11½ *W. Biddle St.*
St. James' School. *Group V.* Professor Bliss, *Adviser.*

FRANCIS KEY MURRAY. Howard County. *Elk Ridge.*
Baltimore Country School. *Group I.* Dr. Brush, *Adviser.*

GEORGE FRANKLIN ONION. Baltimore. 137 *E. North Av.*
Deichmann's School. *Group III.* Dr. French, *Adviser.*

WILLIAM EDWARD PEARCE, JR. Baltimore. 1065 *Myrtle Av.*
Friends' School. *Group I.* Professor Spieker, *Adviser.*

HAROLD L. RUSSELL. Baltimore. 517 *E. Thirtieth St.*
State Normal School; The Deichmann School. *Group III.* Professor Greene, *Adviser.*

HERBERT THOMAS SALZER. Baltimore. 1003 *McCulloh St.*
Baltimore City College. *Group V.* Dr. Gilpin, *Adviser.*

WILLIAM DONNELL STEWART. Baltimore. 329 *Dolphin St.*
University School. *Group III.* Professor Ames, *Adviser.*

GASTON ISON SWEITZER. Glen Rock, Pa. 2305 *Madison Av.*
York Collegiate Institute. *Group II.* Professor Wilson, *Adviser.*

CHARLES HENRY TILGHMAN. Talbot County. 36 *W. Biddle St.*
The Deichmann School. *Group V.* Professor Renouf, *Adviser.*

AUGUST VOGELER. Baltimore County. *Catonsville.*
Mr. Wolfe's School. *Group III.* Professor Smith, *Adviser.*

BENJAMIN FRANKLIN WALLIS. Baltimore. 604 *W. North Av.*
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STANSBURY MORRIS WILSON. Montgomery Co. 1524 *Linden Av.*
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HIRAM WINTERNITZ, JR. Baltimore. 2228 *Callow Av.*
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ALAN CHURCHILL WOODS. Baltimore. 842 *Park Av.*
Boys' Latin School. *Group V.* Professor Whitehead, *Adviser.*

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Special Students

Henry Lee Bassett. Columbus, Ind. 917 *N. Charles St.*
Purdue University. *Group II.* Professor Ogden, *Adviser.*

Brooke Gwathmey Bird. Baltimore. 1 *Club Rd., Roland Pk.*
Boys' Latin School. *Group IV.* Professor Whitehead, *Adviser.*

Chauncey Brooks Bosley. Baltimore. 1403 *Park Av.*
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Edmund Brodie Clary. Baltimore. 1221 *Madison Av.*
Baltimore City College. *Group V.* Professor Mathews, *Adviser.*

William Andrew Cromwell. Baltimore. 1910 *Edmondson Av.*
Baltimore City College. *Chemistry.* Dr. Gilpin, *Adviser.*

Anton Wolfgang Doetsch. Baltimore. 733 *W. Lombard St.*
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Rudolf Frederick William Glaser. Baltimore. 2135 *Bolton Av.*
Private Instruction. *Group V.* Dr. Kurrelmeyer, *Adviser.*

George Harvey Hayne. Baltimore. 707 *Newington Av.*
The Deichmann School. *Group III.* Professor Swartz, *Adviser.*

William Hall Headington. Baltimore. 3408 *Walbrook Av.*
University School. *Group III.* Dr. French, *Adviser.*

Samuel Hume Houston. Baltimore. 1834 *Linden Av.*
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Albert David Hutzler. Baltimore. 1801 *Eutaw Pl.*
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Joaquin Jacobsen. Havana, Cuba. 924 *N. Calvert St.*
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Manning Mason Pattillo. Baltimore. 708 *N. Howard St.*
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WILMER BERRY WATERS. Baltimore. *The Preston.*
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History. Professor Ames, *Adviser.*

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Baltimore City College. *Political Economy.*

(2)

GOVERNMENT OF THE JOHNS HOPKINS UNIVERSITY

FOR THE YEAR 1907-08

TRUSTEES

The Trustees are the ultimate source of authority in all matters pertaining to the University. They act collectively, through the standing committees named on page 2, and through the President of the University.

PRESIDENT

Ira Remsen

The duties of this office were thus defined by the Trustees, September 14, 1876:

The President of the University is the authorized means of communication between the Board and the various officers of instruction and administration employed in the University; it shall be his duty to consult with the Professors in respect to the development of their various departments and the general interests of the University; to determine the appropriate duties of the Associates and Fellows; and to exercise such superintendence over the buildings, apparatus, books and other property as will insure their protection and appropriate use. In respect to these matters and all others which concern the welfare of the University, he shall consult frequently with the Executive Committee, and he shall attend the meetings of the Board of Trustees. Purchases, alterations, repairs, and other incidental expenses must not be ordered by any of the officers of the University without his previous assent, or the expressed authority of the Board.

By resolution of the Trustees, May 2, 1892, the President of the University was constituted a member *ex officio* of the Board, and also *ex officio* a member of the Executive Committee.

ACADEMIC COUNCIL

Ira Remsen (*Pres.*)	Henry Wood
B. L. Gildersleeve	W. B. Clark
Paul Haupt	J. S. Ames
W. H. Welch	Maurice Bloomfield
E. H. Griffin (*Sec'y.*)	J. W. Bright
A. M. Elliott	J. M. Baldwin.

By authority of the Trustees, the Academic Council (now consisting of the President and eleven Professors) has met since the organization of the University to guide the various departments of study, to select the Fellows, and to act upon such other matters as may be brought before them.

BOARD OF UNIVERSITY STUDIES

Ira Remsen (*Pres.*)
B. L. Gildersleeve
Paul Haupt
W. H. Welch
E. H. Griffin
W. K. Brooks
Maurice Bloomfield
A. M. Elliott
H. N. Morse
Henry Wood
W. H. Howell
J. W. Bright
W. Hand Browne
W. B. Clark
J. S. Ames
Frank Morley
H. F. Reid
R. W. Wood
K. F. Smith
J. M. Baldwin
G. M. Stratton
J. H. Hollander
E. B. Mathews
H. C. Jones
J. M. Vincent
C. C. Marden
W. W. Willoughby
D. S. Johnson
H. L. Wilson
C. M. Andrews
H. S. Jennings
Herman Collitz
E. H. Spieker
E. A. Andrews
C. W. E. Miller
B. J. Vos
Christopher Johnston
E. C. Armstrong
Philip Ogden
J. B. Whitehead
J. C. Ballagh
C. Grave
G. E. Barnett
S. F. Acree
C. K. Swartz

By request of the Academic Council (October 8, 1883), this Board, consisting of the President, thirty-one Professors and thirteen Associate Professors, has charge of the arrangements for the instruction of graduate students, and of the examinations for the degree of Doctor of Philosophy.

ADVISORY BOARD OF THE MEDICAL FACULTY

Ira Remsen (*Pres.*)
W. H. Welch
H. M. Hurd
W. S. Halsted
H. A. Kelly
F. P. Mall
J. J. Abel
W. K. Brooks
W. H. Howell (*Dean*)
J. W. Williams
L. F. Barker

This Board was constituted by resolution of the Trustees (April 3, 1893) "to report to the Trustees from time to time their suggestions, and to prepare and carry forward the proper arrangements for the instruction and graduation of medical students."

BOARD OF MEDICAL STUDIES

Ira Remsen (*Pres.*)
W. H. Welch
H. M. Hurd
H. A. Kelly
W. K. Brooks
J. C. Bloodgood
Harvey Cushing
P. M. Dawson
H. H. Young
W. H. Lewis

W. S. Halsted
J. J. Abel
W. H. Howell
F. P. Mall
J. W. Williams
L. F. Barker
W. S. Thayer
W. D. Booker
J. N. Mackenzie
Samuel Theobald
H. M. Thomas
J. W. Lord
T. C. Gilchrist
H. J. Berkley
J. M. T. Finney
W. W. Russell
T. S. Cullen
R. L. Randolph
T. B. Futcher
Walter Jones
W. G. MacCallum
F. R. Sabin
Thomas McCrae
A. S. Lovenhart
W. W. Ford
M. Brödel
F. R. Smith
G. L. Hunner
Samuel Amberg
C. P. Emerson
H. O. Reik
L. P. Hamburger
T. R. Brown
R. I. Cole
W. S. Baer
George Walker
R. H. Follis
J. M. Slemons
T. R. Boggs
F. H. Baetjer
J. A. E. Eyster

This Board was created by resolution of the Trustees, January 6, 1902. It consists of the professors, clinical professors, associate professors and associates in the medical department, and its functions are especially the consideration of the courses of instruction.

BOARD OF COLLEGIATE STUDIES

Ira Remsen (*Pres.*)
E. H. Griffin (*Dean*)
A. M. Elliott
H. N. Morse
Henry Wood
Edward Renouf
W. Hand Browne
H. E. Greene
J. S. Ames
K. F. Smith
J. H. Hollander
J. M. Vincent
C. C. Marden
E. B. Matthews
H. L. Wilson
C. M. Andrews
E. H. Spieker (*Sec'y*)
E. A. Andrews
L. S. Hulburt
B. J. Vos
W. J. A. Bliss
J. C. Ballagh
G. E. Barnett
W. P. Mustard
C. K. Swartz
J. E. Gilpin
M. P. Brush
A. B. Coble
J. C. French
R. T. Abercrombie

By request of the Academic Council (May 13, 1892), the Board of Collegiate Studies, consisting of the President and of representatives from each of the chief departments of undergraduate study, confers upon the progress made by the undergraduate and special students, and conducts the examinations for matriculation and for the baccalaureate degree, under the direction of the Academic Council. The other teachers of undergraduates may be called in from time to time to consult.

An executive Committee acts for the Board on all routine matters, and now consists of E. H. Griffin, E. Renouf, E. H. Spieker, and R. T. Abercrombie.

COMMITTEE ON THE LIBRARY

Ira Remsen (*Pres.*)
B. L. Gildersleeve
W. Hand Browne
N. Murray (*Sec'y*)

COMMITTEE ON THE GYMNASIUM

Ira Remsen (*Pres.*)
E. Renouf
H. F. Reid
R. T. Abercrombie

ADVISORY BOARD OF THE YOUNG MEN'S CHRISTIAN ASSOCIATION

Ira Remsen (*Pres.*)
Eugene Levering
E. H. Griffin (*Sec'y*)
C. K. Swartz

OTHER OFFICERS

TREASURER OF THE UNIVERSITY

Charles J. Meyer

REGISTRAR

Thomas R. Ball

SUMMARY

Faculty, 1907-08

President and Professors,	44
Clinical Professors,	7
Associate Professors,	33
Associates,	28
Instructors and Assistants,	63
	175
Lecturers for the year (mostly non-residents),	26

Students Enrolled, 1907-08

Graduate Students:		
Fellows by Courtesy,	12	
Fellows,	21	
Other Graduate Students in Philosophy,	138	
Candidates for the degree of M. D.,	277	
Physicians attending Special Courses,*	70	
		518
Undergraduates:		
Candidates for the degree of A. B.,	142	
Not Candidates for a degree,	23	
		165
Total,		683

*Including 23 entering in 1907 after the issue of the last Register.

GEOGRAPHICAL DISTRIBUTION OF THE STUDENTS

Maryland (Baltimore, 216)	267	Minnesota,	5
Pennsylvania,	48	Oregon,	4
Virginia,	35	Arkansas,	3
New York,	34	Delaware,	3
Ohio,	22	Nebraska,	3
Connecticut,	19	New Hampshire,	3
California,	16	Vermont,	3
North Carolina	16	Montana,	2
Texas,	16	North Dakota,	2
South Carolina,	14	South Dakota,	2
Kentucky,	13	Tennessee,	2
Wisconsin,	11	Colorado,	1
Alabama,	10	Florida,	1
Illinois,	10	Mississippi,	1
Iowa,	10	New Mexico,	1
Missouri,	10	Utah,	1
Georgia,	9		
Massachusetts,	9		
District of Columbia,	8		
Indiana,	8	Canada,	3
New Jersey,	8	Cuba,	2
Maine,	7	Bermuda,	1
Washington,	7	Brazil,	1
Rhode Island,	6	Egypt,	1
West Virginia,	6	France,	1
Kansas,	5	Germany,	1
Louisiana,	5	Ireland,	1
Michigan,	5	Palestine,	1

INSTITUTIONS IN WHICH THE STUDENTS WERE GRADUATED

Adelbert College,	2	Emory and Henry College,	2
Alabama Polytechnic Inst.,	1	France, University of	1
Alabama, University of,	3	Franklin and Marshall Coll.,	5
Albany Med. College,	1	Georgia, University of	7
Albion College,	1	Georgetown University,	1
Allegheny College,	2	Gettysburg Theo. Sem.,	2
Alma College,	1	Goerlitz Gymnasium,	1
Amherst College,	2	Goettingen, University of	1
Arkansas, University of,	1	Grant University,	1
Baltimore Medical Coll.,	4	Gregorian Univ. (Rome),	1
Barnard College,	1	Guilford College,	1
Bates College,	1	Hahnemann Medical Coll., (Chicago),	1
Bellevue Hosp. Med. Coll.,	2	Hamilton College,	2
Boston University,	2	Hampden-Sidney College,	2
Bowdoin College,	5	Hanover College,	1
Brown University,	2	Harvard University,	6
Bryn Mawr College,	8	Haverford College,	2
California, University of	10	Howard College (Ala.),	1
Carleton College,	1	Illinois, University of,	1
Catholic Univ. of America	3	Indiana University,	1
Catholic Univ. (Paris),	1	Iowa College,	1
Central College (Mo.),	1	Iowa State University,	4
Central University (Ky.),	6	Jefferson Medical Coll.,	6
Charleston College,	2	Johns Hopkins University,	59
Chicago, University of,	7	Kansas, University of,	4
Christian University (Mo.),	2	Kentucky State College	2
Cincinnati Coll. of Medicine,	1	Kenyon College,	3
Clark University,	1	Knox College,	1
Clemson College,	2	Lafayette College,	4
Coe College,	1	Lake Forest College,	2
Colgate University,	2	Laval Univ. (Quebec),	1
Columbia University,	4	Lebanon Valley College,	2
Columbian University,	1	Lehigh University,	1
Concordia College (Ind.),	1	Leland Stanford Jr. Univ	7
Concordia Sem. (St. Louis),	1	London, University of,	1
Converse College	1	Louisiana State Univ.,	1
Cooper Medical Coll.,	1	Louisville Med. Coll.,	2
Cornell University,	2	Loyola College,	5
Cotner University,	1	Luther College,	1
Creighton Medical College	1	Lyons, University of,	1
Dalhousie University,	1	Marietta College,	1
Dartmouth College,	4	Maryland Agricultural Coll.,	2
Davidson College,	3	Maryland, University of,	10
Delaware College.	1	McGill University,	1
De Pauw University,	1	Medico-Chirurgical College, (Phila.),	1
Detroit Coll. of Medicine,	1	Michigan, University of,	4
Dickinson College,	5	Minnesota, University of,	1
Dublin, University of	1	Mississippi, University of,	1
Earlham College,	2		
Emory College,	2		

Missouri, University of,	3
Montana Agric. College,	1
Mt. Allison College,	1
Mt. Holyoke College,	2
Mt. St. Joseph's Coll. (Balt.),	1
Mt. St. Mary's College	1
Nashville, University of,	2
Nebraska, University of,	4
Newberry College,	1
New York University,	3
N. C. A. & M. College,	1
North Carolina, Univ. of,	9
North Dakota, Univ. of,	1
Notre Dame, University of,	1
Oberlin College,	1
Ohio Medical University,	1
Ohio Northern University,	1
Ohio State University,	3
Ohio University,	1
Oregon, University of,	2
Oxford, University of	1
Paris, University of,	1
Pennsylvania College,	10
Pennsylvania, University of,	2
Phys. & Surg. (Balt.), College of,	5
Phys. & Surg. (Chicago), College of,	1
Princeton Theol. Seminary,	1
Princeton University,	17
Purdue University,	3
Radcliffe College,	1
Randolph-Macon College,	5
Rensselaer Polytech. Inst.,	1
Richmond College,	5
Ripon College,	1
Roanoke College,	1
Rochester, University of,	3
Rock Hill College,	1
Rush Medical College,	1
Rutgers College,	2
South Carolina University,	3
South Dakota Agric. Coll.,	1
South Dakota, University of,	1
Southern University,	1
Southern California Univ.,	1
Southwestern University,	2
Swarthmore College,	1
St. Francis Xavier, Coll. of,	1
St. John's College	8
St. Louis University,	2
St. Olaf College,	1
St. Stephen's College,	1
Texas, University of,	11
Toronto, University of,	1
Trinity College (Conn.),	2
Tulane University,	6
University Coll. of Med. (Va).	1
Univ. Med. Coll. (Kansas City),	1
Ursinus College,	1
Utah, University of,	1
Valparaiso College,	1
Vanderbilt University,	1
Vassar College,	2
Vermont, University of,	9
Virginia Polytechnic Inst.,	1
Virginia, University of,	1
Wake Forest College,	3
Washburn College,	1
Wash. Christian College,	1
Wash. & Jefferson Coll.,	3
Washington & Lee Univ.,	7
Washington, University of,	1
Wellesley College,	3
Wells College,	1
Wesleyan Univ. (Conn.),	5
Western Maryland College	4
Western University of Pa.,	4
Westminster College (Pa.),	1
West Virginia Univ.,	3
Whitman College,	2
Whitworth College,	1
Wiesbaden Gymnasium,	1
William & Mary Coll.,	1
William Jewell College,	2
Williams College,	7
Wisconsin Coll. of P. & S.,	1
Wisconsin, University of,	4
Wittenberg College,	1
Wofford College,	1
Woman's Coll. of Baltimore,	2
Woman's Med. Coll. (Phil.),	1
Wooster University,	2
Yale University,	30

JOHNSTON SCHOLARS

The Johnston Scholarships (three in number) were established in 1904 in accordance with the will of Mrs. Harriet Lane Johnston, once a resident of Baltimore, who bequeathed the sum of $90,000, in memory of her husband, Henry E. Johnston, and her sons, Henry E. Johnston, Jr., and James Buchanan Johnston.

When the institution is not named, this university is to be understood. The figures in brackets indicate the tenure of the scholarship. (F) indicates that the person has held a university fellowship here.

Solomon Farley Acree, Ph. D., Assoc. Prof. of Chemistry. [1904-06]
Henry Shoemaker Conard, Ph. D., Prof. of Botany and Bacteriology, Iowa Coll. [1904-06]
Isaac Woodbridge Riley, Ph. D., Prof. of Philosophy, Vassar Coll. [1904-07]
Ralph Stayner Lillie, Ph. D., Instr. in Compar. Physiology, Univ. of Pa. [1906-07]
Samuel Grant Oliphant, Ph. D., (F), Prof. of Ancient Lang., Olivet Coll. [1906-07]
William Davis Furry, Ph. D., (F), Henry E. Johnston Jr. Scholar. [1907-08]
Samuel Ottmar Mast, Ph. D., Henry E. Johnston Scholar. [1907-08]
August Herman Pfund, Ph. D., (F), James Buchanan Johnston Scholar. [1907-08]

FELLOWS

ADAM T. BRUCE FELLOWS IN BIOLOGY

The Bruce Fellowship was instituted by a gift of $10,000, made in 1887 by Mrs. Bruce, of New York, to commemorate the name of her son, Adam T. Bruce, Jr., Ph. D., Fellow in Biology, 1883-84, and Instructor, 1886-87.

When the institution is not named, this university is to be understood. The figures in brackets indicate the tenure of the fellowship. (F) indicates that the person has held a university fellowship here.

Henry Van Peters Wilson, Ph. D., (F), Prof. of Biology, Univ. of N. C. [1888-89]
Shozaburo Watase, Ph. D., (F), Prof. of Zoology, Univ. of Tokyo. [1889-90]
Thomas Hunt Morgan, Ph. D., (F), Prof. of Experimental Zoology, Columbia Univ. [1890-91] *Reappointed* 1891, *but resigned.*
Robert Payne Bigelow, Ph. D., (F), Instr. in Biology and Librarian, Mass. Inst. of Technology. [1891-93]
Maynard Mayo Metcalf, Ph. D., (F), Prof. of Zoology, Oberlin Coll. [1893] *Did not enter on the fellowship.*
Ross Granville Harrison, Ph. D., (F), Prof. of Compar. Anatomy, Yale Univ. [1894] *Did not enter on the fellowship.*
Seitaro Goto, S. D., Prof. of Biology, First High School, Tokyo, Japan. [1894-95]
Henry McElderry Knower, Ph. D., (F), Instr. in Anatomy. [1895-96]
George Lefevre, Ph. D., (F), Prof. of Zoology, Univ. of Missouri. [1895-97]
*Franklin Story Conant, Ph. D., (F). [1897] *Did not enter on the fellowship.*
Duncan Starr Johnson, Ph. D., (F), Prof. of Botany. [1897-98]
Gilman Arthur Drew, Ph. D., (F), Prof. of Biol., Univ. of Maine. [1898] *Did not enter on the fellowship.*
Caswell Grave, Ph. D., (F), Assoc. Prof. of Zoology; State Shell-Fish Commissioner, Balt. [1899-01]

Lawrence Edmonds Griffin, Ph. D., (F), Prof. of Biology, Missouri Valley College. [1900]
James Edwin Duerden, Ph. D., Prof. of Zoology, Rhodes Univ. Coll., Cape Colony. [1901-02]
Rheinart Parker Cowles, Ph. D., (F), Instr. in Biology. [1902-04]
David Hilt Tennent, Ph. D., (F), Assoc. Prof. of Zoology, Bryn Mawr. [1904] *Did not enter on the fellowship.*
Otto Charles Glaser, Ph. D., (F), Instr. in Zoology, Univ. of Michigan. [1904-05]
Forrest Shreve, Ph. D., (F), Assoc. Prof. of Botany, Woman's Coll., Balt. [1905-06]
Robert Ervin Coker, Ph. D., (F), conducting studies in the marine fisheries of Peru, Lima. [1906] *Did not enter on the fellowship.*
Ivey Foreman Lewis, Ph. D., (F). [1907-08]

WILLIAM S. RAYNER FELLOWS IN SEMITIC LANGUAGES

The Rayner Fellowship was founded in 1889 by Mrs. Bertha Rayner Frank and Mr. Albert W. Rayner, of Baltimore, to perpetuate in this university the name of their father, Mr. William S. Rayner, who had made unusual attainments in the Hebrew language and was interested in the promotion of Semitic studies. The gift amounted to $10,000.

When the institution is not named, this university is to be understood. The figures in brackets indicate the tenure of the fellowship. (F) indicates that the person has held a university fellowship here.

Karl Josef Grimm, Ph. D., (F), Prof. of Modern Languages, Pennsylvania Coll. [1899-01]
Theodore Clinton Foote, Ph. D., Instr. in Biblical Literature. [1901-03]
Gabriel Oussani, A. B., S. T. B., (F), Prof. of Italian, Latin, and Oriental Lang., Catholic Seminary, N. Y. [1903] *Did not enter on the fellowship.*
William George Seiple, Ph. D., Missionary, Sendai, Japan. [1903-04]
Aaron Ember, Ph. D., (F), Instr. in Hebrew. [1904-08]

UNIVERSITY FELLOWS

Arranged under the date of first appointment. Figures in brackets indicate the tenure of the fellowship, when it was held more than one year. When the institution is not named, this university is to be understood.
*Deceased.

1876

Henry Carter Adams, Ph. D., LL. D., Prof. of Political Economy and Finance, Univ. of Michigan; Statistician, Interstate Commerce Commission.—[1876-79]
*Herbert Baxter Adams, Ph. D., LL. D., Assoc., Assoc. Prof., Prof. of American and Institutional History, Professor Emeritus, 1878-01.—[1876-78]
William Keith Brooks, Ph. D., LL. D., Prof. of Zoology. *Did not enter on the fellowship.*
Samuel Fessenden Clarke, Ph. D., Prof. of Natural History, Williams College.—[1876-79]
*Thomas Craig, Ph. D., Instr., Assoc., Assoc. Prof., Prof. of Mathematics, 1879-1900; Editor, *American Journal of Mathematics*, 1894-99.—[1876-79]
*Joshua Walker Gore, C. E., Prof. of Natural Philosophy, University of N. C. 1878-1908.—[1876-78]
George Bruce Halsted, Ph. D., Prof. of Mathematics, Kenyon Coll., 1903-06; Greeley, Colo.—[1876-78]
Edward Hart, Ph. D., Prof. of Analytical Chemistry, Lafayette Coll.—[1876-78]

Daniel Webster Hering, C. E., Ph. D., LL. D., Prof. of Physics and Dean of the Graduate Faculty, New York Univ.—[1876-78]
Malvern Wells Iles, Ph. D., Consulting Metallurgist, London, England.—[1876-78]
William White Jacques, Ph. D., Lecturer, Mass. Inst. of Tech., 1885-91; Scientific Investigator, Boston.—[1876-79]
Charles Rockwell Lanman, Ph. D., LL. D., Prof. of Sanskrit, Harvard Univ.
David McGregor Means, A. B., Prof. of Political and Mental Science, Middlebury Coll., 1877-80; Atty. at Law, New York.
Harmon Northrup Morse, Ph. D., Prof. of Analytical Chemistry. *Did not enter on the fellowship.*
Walter Hines Page, Editor, *The World's Work*, N. Y.—[1876-78]
*Peter Porter Poinier, M. E. *Did not enter on the fellowship.*
*Erasmus Darwin Preston, C. E., U. S. Coast Survey, 1879-1906.—[1876-78]
*Henry Joseph Rice, Sc. D., Prof. of Natural Sciences, Brooklyn High School, 1882-85.—[1876-78]
Josiah Royce, Ph. D., LL. D., Prof. of the History of Philosophy, Harvard.—[1876-78]
Alexander Duncan Savage, B. Litt., New York.—[1876-79]
Ernest Gottlieb Sihler, Ph. D., Prof. of Latin, New York Univ.—[1876-79]
Frederick Boyd Van Vorst, A. B., Atty. at Law, New York.
*John Henry Wheeler, Ph. D., Prof. of Greek, Univ. of Virginia, 1882-87.

1877

Francis Greenleaf Allinson, Ph. D., Prof. of Classical Philology, Brown Univ.—[1877-80]
Fabian Franklin, Ph. D., LL. D., Asst., Assoc., Assoc. Prof., and Prof. of Mathematics, 1879-95; Editor, *Baltimore News*, 1895-1908.—[1877-79]
Lyman Beecher Hall, Ph. D., Prof. of Chemistry, Haverford Coll.—[1877-79]
Allan Marquand, Ph. D., L. H. D., Prof. of Art and Archæology, Princeton.—[1877-80]
Christian Sihler, Ph. D., M. D., Instr. and Acting Prof. of Histology, etc., Western Reserve Univ., 1889-94; Physician, Cleveland, Ohio.—[1877-79]

1878

Maurice Bloomfield, Ph. D., LL. D., Prof. of Sanskrit and Comparative Philology.
Constantine Fahlberg, Ph. D., Chemist, Salbke-Westerhuesen, Germany.—[1878-80]
Edwin Herbert Hall, Ph. D., LL. D., Prof. of Physics, Harvard Univ.—[1878-80]
Edward Coles Harding, A. M., Prof. of Greek, Univ. of Louisiana, 1879-80; Asst. Editor, *The Baltimore News*.
Rev. Charles Robert Hemphill, D. D., LL. D., Prof. of New Testament Exegesis, Louisville Presbyterian Theol. Sem.; Clergyman, Louisville, Ky.
Isaac Ott, A. M., M. D., Prof. of Physiology, Medico-Chirurgical Coll. of Philadelphia.
Henry Sewall, Ph. D., M. D., Prof. of Physiology, Univ. of Denver.
Washington Irving Stringham, Ph. D., Prof. of Mathematics, and Dean, College of Social Sciences, Univ. of Cal.—[1878-80]
Charles Ambrose Van Velzer, S. B., Prof. of Mathematics, Univ. of Wis.—[1878-81]
Abram Van Epps Young, Ph. B., Prof. of Chemistry, Northwestern Univ.—[1878-80]

1879

Brown Ayres, Ph. D., LL. D., President of the University of Tennessee.
Louis Bevier, Ph. D., Prof. of Greek, Rutgers Coll.—[1879-81]
William Burney, Ph. D., Prof. of Chemistry, South Carolina Coll.
Edward Mussey Hartwell, Ph. D., M. D., LL. D., Sec., Dept. of Municipal Statistics, Boston.—[1879-81]
*John Robin McDaniel Irby, Ph. D.
Mitsuru Kuhara, Ph. D., Prof. of Chemistry and Director, Coll. of Science, Univ. of Kyoto, Japan.—[1879-81]
*Oscar Howard Mitchell, Ph. D., Prof. of Mathematics, Marietta Coll., 1882-89.—[1879-82]
Edward Leamington Nichols, Ph. D., LL. D., Prof. of Physics, Cornell Univ.

George Frederick Nicolassen, Ph. D., Prof. of Greek and German, Southwestern Presbyterian Univ., Tenn.—[1879-81]
Waldo Selden Pratt, A. B., Mus. D., Prof. of Ecclesiastical Music and Hymnology, Hartford (Conn.) Theol. Sem.
Robert Woodworth Prentiss, M. S., Prof. of Mathematics, etc., Rutgers.—[1879-81]
William Thompson Sedgwick, Ph. D., Prof. of Biology, Mass. Inst. of Tech.; Lecturer, Simmons Coll.
*Herman Vorhees, C. E. *Did not enter on the fellowship.*
Charles Otis Whitman, Sc. D., Ph. D., LL. D., Prof. of Zoology, Univ. of Chicago. *Did not enter on the fellowship.*
Edmund Beecher Wilson, Ph. D., LL. D., Prof. of Zoology, Columbia Univ.—[1879-81]

1880

James Wilson Bright, Ph. D., Caroline Donovan Prof. of English Literature.—[1880-82]
Benjamin Chapman Burt, A. B., Acting Prof. of Philosophy and Pedagogy, Univ. of Colorado, 1894-95.
Robert Dorsey Coale, Ph. D., Prof. of Chemistry and Dean, Med. Dept., Univ. of Md.
Lawrence Bunting Fletcher, Ph. D., Instructor in Physics, Wesleyan Univ., 1882-83.
*Spencer Hedden Freeman, A. B., Prof. of Physics and Astronomy, Adelbert Coll., 1882-86.—[1880-82]
Kakichi Mitsukuri, Ph. D., Prof. of Zoology, Univ. of Tokyo, Japan.
Bernard Francis O'Connor, Ph. D., Instructor and Adjunct Prof. of Romance Lang., Columbia Univ., 1883-91; New York.—[1880-82]
Chase Palmer, Ph. D., Chemist, U. S. Geological Survey, Washington.—[1880-82]
Herbert Mills Perry, A. B., late Instructor, Cascadilla School, Ithaca.—[1880-82]
William Lee Rowland, S. B., Chemist, Philadelphia. *Did not enter on the fellowship.*
*Andreas Franz Wilhelm Schimper, Ph. D., Prof. of Botany, Univ. of Basle, 1898-1901.
Edward Henry Spicker, Ph. D., Assoc. Prof. of Greek and Latin.—[1880-82]
Morrison Isaac Swift, Ph. D., Instructor in Philosophy, Hobart Coll., 1882-84.—[1880-82]
*Arthur Wilson Wheeler, A. B.

1881

William John Alexander, Ph. D., Prof. of English, Univ. of Toronto.—[1881-83]
Edward Sanford Burgess, Ph. D., Prof. of Natural Science, Normal Coll., N. Y.
William James Comstock, Ph. D., Instructor in Organic Chemistry, Yale Univ.
*William Cathcart Day, Ph. D., Prof. of Chemistry, Swarthmore, 1887-1901.—[1881-83]
Henry Herbert Donaldson, Ph. D., Prof. of Neurology, Wistar Inst. of Anatomy, Univ. of Pa.—[1881-83]
William Pitt Durfee, Ph. D., Prof. of Mathematics and Dean of the Faculty, Hobart Coll.—[1881-83]
George Stetson Ely, Ph. D., Principal Examiner, U. S. Patent Office.—[1881-83]
Benjamin Ives Gilman, A. M., Curator, Museum of Fine Arts, Boston, Mass.
John Franklin Jameson, Ph. D., LL. D., Director, Dept. of Historical Research, Carnegie Inst., Washington.
Charles Herschel Koyl, A. B., Instr. in Physics, Swarthmore, 1887-88; New York.—[1881-83]
Henry Leslie Osborn, Ph. D., Prof. of Biology and Geology, Hamline Univ.
Henry Newlin Stokes, Ph. D., Asst. Prof. of Chemistry, Univ. of Chicago, 1892-94; Chemist, Bureau of Standards, Washington.—[1881-83]
Benjamin Willis Wells, Ph. D., late Prof. of Modern Lang., Univ. of the South; Editor of *The Churchman*, N. Y. *Did not enter on the fellowship.*

1882

*Charles John Bell, A. B., Prof. of Chemistry, Medical Dept., Univ. of Minnesota, 1888-1903. *Did not enter on the fellowship.*
James McKean Cattell, Ph. D., LL. D., Prof. of Psychology, Columbia Univ.; Editor of *Science.*
Ellery Williams Davis, Ph. D., Prof. of Mathematics, Univ. of Nebraska.—[1882-84]
David Talbot Day, Ph. D., U. S. Geological Survey, Washington, D C.—[1882-84]
Alfred Emerson, Ph. D., Assoc. Prof. of Classical Archæology, Cornell Univ., 1891-97.—[1882-84]
William Scott Fleming, A. B., Prof. of Greek, Davidson Coll., 1883-85.
Arthur Lincoln Frothingham, Jr., Ph. D., Prof. of Ancient History and Archæology, Princeton, 1886-1905; Princeton, N. J.—[1882-85]
Henry Root Goodnow, A. B., New York.
Elgin Ralston Lovell Gould, Ph. D., New York.—[1882-84]
Arthur Stafford Hathaway, S. B., Prof. of Mathematics, Rose Polytech. Inst.—[1882-84]
William Henry Howell, Ph. D., M. D., LL. D., Prof of Physiology and Dean of the Medical Faculty.—[1882-84]
Edward Harrison Keiser, Ph. D., Prof. of Chemistry, Washington Univ.—[1882-84]
Arthur Lalanne Kimball, Ph. D., Prof. of Physics, Amherst Coll.
Harry Fielding Reid, Ph. D., Prof. of Geological Physics. *Did not enter on the fellowship.*

1883

William Muss Arnolt, Ph. D., Instr. and Asst. Prof. of Biblical Philology, Univ. of Chicago, 1893-1903; Belmont, Mass.—[1883-85]
Gustav Bissing, Ph. D., Patent Attorney New York.
*Adam Todd Bruce, Ph. D. Instr. in Osteology, etc., 1886-87.
Archibald Lamont Daniels, D. Sc., Prof. of Mathematics and Physics, Univ. of Vermont.
John Dewey, Ph. D., LL. D., Prof. of Philosophy, Columbia; Lecturer, 1906-07.
*James Reynolds Duggan, Ph. D., Prof. of Chemistry, Wake Forest, 1886-88.
Hans Carl Guenther von Jagemann, Ph. D., Prof. of Germanic Philology, Harvard.
*Gustav Adolph Liebig, Jr., Ph. D., Asst. in Electricity, 1887-90.—[1883-85]
Charles William Emil Miller, Ph. D., Assoc. Prof. of Greek.—[1883-85]
Charles Albert Perkins, Ph. D., Prof. of Electrical Eng., Univ. of Tennessee.
*Louis Tebbetts Stevens, M. D., late Lecturer, Washington Univ.
Lewis Webb Wilhelm, Ph. D., Vice-Princ., College Prep. School, Baltimore.

1884

Ethan Allen Andrews, Ph. D., Assoc. Prof. of Biology.—[1884-86]
Henry Crew, Ph. D., Prof. of Physics, Northwestern Univ.—[1884-86]
Homer Winthrop Hillyer, Ph. D., Asst. Prof. of Organic Chemistry, Univ. of Wisconsin.
*Rev. Abel Henry Huizinga, Ph. D., Adjunct Prof., McCormick Theol. Sem., 1894-96.—[1884-86]
Frederic Schiller Lee, Ph. D., Prof. of Physiology, Columbia Univ.
Charles Herbert Levermore, Ph. D., President of Adelphi College, Brooklyn.
Henry Francis Nachtrieb, S. B., Prof. of Animal Biology, Univ. of Minnesota.
Henry Barber Nixon, Ph. D., Prof. of Mathematics, Pennsylvania Coll.
William Noyes, Jr., M. D., Supt., Boston Insane Hospital, Mattapan, Mass.; Clinical Instructor, Harvard.
Albert Gallatin Palmer, Ph. D., Asst. Prof. of Chemistry, Swarthmore Coll., 1886-87; Norwood, Md.
Ernest Mondell Pease, A. B., Prof. of Latin, Stanford Univ., 1891-1902; New York.—[1884-86]
Albert Harris Tolman, Ph. D., Assoc. Prof. of English Literature, Univ. of Chicago. *Did not enter on the fellowship.*
Woodrow Wilson, Ph. D., Litt. D., LL. D., President of Princeton University.

1885

Cyrus Adler, Ph. D., Librarian, Smithsonian Institution.—[1885-87]
*David Barcroft, Ph. D.
William Shirley Bayley, Ph. D., Assoc. Prof. of Geology, Univ. of Illinois; U. S. Geological Survey.—[March, 1885—June, 1886]
Louis Bell, Ph. D., Prof. of Physics, Purdue Univ., 1888-89; Electrical Engineer, Boston.—[1885-87]
William Henry Burnham, Ph. D., Asst. Prof. of Pedagogy, Clark Univ.
Francis Albert Christie, A. B., Prof. of Church History, Theol. School, Meadville, Pa.—[1885-87]
Davis Rich Dewey, Ph. D., Prof. of Economics, etc., Mass. Inst. of Tech.
Albert E. Egge, Ph. D., Prof. of English, Washington State Coll.
William Henry Emerson, Ph. D., Prof. of Chemistry, Georgia School of Tech.
John Charles Fields, Ph. D., Assoc. Prof. of Mathematics, Toronto Univ.
Joseph Jastrow, Ph. D., Prof. of Psychology, Univ. of Wisconsin.
George Theophilus Kemp, Ph. D., M. D., Prof. of Physiology, Univ. of Illinois.
Marion Dexter Learned, Ph. D., Prof. of German, Univ. of Pennsylvania.
Gonzales Lodge, Ph. D., Prof. of Latin and Greek, Teachers Coll., Columbia Univ.
Arthur MacDonald, A. B., Bureau of Pensions, Washington, D. C. *Did not enter on the fellowship.*
Charles Skeele Palmer, Ph. D., Pres., Colo. School of Mines, 1902-03; Assoc. Ed., *Engineering and Mining Journal*, New York.
George Thomas White Patrick, Ph. D., Prof. of Philosophy, Iowa State Univ. *Reappointed* 1887, *but resigned.*
Moses Stephen Slaughter, Ph. D., Prof. of Latin, Univ. of Wisconsin.
Charles Whetham, A. B., President of Whetham Coll., Vancouver, B. C., 1890-93.
Charles Baker Wright, A. B., Prof. of English Literature and Rhetoric, Middlebury Coll. *Did not enter on the fellowship.*

1886

Edgar Pierce Allen, A. B., Prof. Law Dept. Univ. of Tientsin, China.—[1886-88]
John Pendleton Campbell, Ph. D., Prof. of Biology, Univ. of Georgia.
Henry Clarke, A. B., Classical Instr., London, England.
Herbert Charles Elmer, Ph. D., Asst. Prof. of Latin, Cornell Univ.
Henry Brayton Gardner, Ph. D., Prof. of Political Economy, Brown Univ.
*Milton Haight, A. B., Prof. of Mathematics, Sapporo, Japan, 1887-92.
John Leslie Hall, Ph. D., Prof. of English and History, William and Mary Coll.
Charles Willard Hayes, Ph. D., Chief Geologist, U. S. Geological Survey, Washington.
George Benjamin Hussey, Ph. D., Instr. in Greek, Carleton Coll., Minn.
James Hervey Hyslop, Ph. D., Prof. in Columbia Univ., 1895-1902; Sec. Amer. Inst. for Scientific Research, N. Y.
Andrew Cowper Lawson, Ph. D., Prof. of Mineralogy and Geology, Univ. of California.
Franklin Paine Mall, M. D., LL. D., Prof. of Anatomy.—[1886-88]
Yujiro Motora, Ph. D., Prof. of Psychology, etc., Univ. of Tokyo, Japan.
Julius Nelson, Ph. D., Prof. of Biology, Rutgers Coll.
William Ridgely Orndorff, Ph. D., Prof. of Organic Chemistry, Cornell.
Daniel Richard Randall, Ph. D., Attorney at Law, Annapolis, Md.
Henry Dallas Thompson, D. Sc., Ph. D., Prof. of Mathematics, Princeton.
Edward Burr Van Vleck, Ph. D., Prof. of Mathematics, Wesleyan Univ.
*Amos Griswold Warner, Ph. D., Prof. of Economics, Stanford Univ., 1893-1900.
John Roaf Wightman, Ph. D., Prof. of Romance Lang., Oberlin Coll.

1887

Joseph Sweetman Ames, Ph. D., Prof. of Physics.
Philip Wheelock Ayres, Ph. D., Forester, Concord, N. H.
William Snyder Eichelberger, Ph. D., Prof. of Mathematics, U. S. Navy, Washington.
Henry Rushton Fairclough, Ph. D., Prof. of Latin, Stanford Univ. *Did not enter on the fellowship.*
*William Curns Lawrence Gorton, Ph. D., Assoc. Prof. and Prof. of Mathematics and Astronomy, Woman's Coll., Balt., 1888-94.

William Herbert Hobbs, Ph. D., Prof. of Geology, Univ. of Michigan.
Joseph Hoeing Kastle, Ph. D., Chief, Div. of Chemistry, Lab. of Hygiene, Marine Hosp. Service, Washington.
Felix Lengfeld, Ph. D., late Asst. Prof., Univ. of Chicago; Chemist, San Francisco.
Archibald MacMechan, Ph. D., Prof. of English, Dalhousie Univ.
Herbert William Magoun, Ph. D., late Prof. of Latin, Redfield College, S. Dak.: Cambridge, Mass.
*Thomas McCabe, Ph. D., Assoc. in Romance Lang., Bryn Mawr, 1890-91.
John Leverett Moore, Ph. D., Prof. of Greek and Latin, Vassar Coll.
Augustus Taber Murray, Ph. D., Prof. of Greek, Stanford Univ.
Edmund Clark Sanford, Ph. D., Prof. of Experimental Psychology, Clark Univ.
Charles Lee Smith, Ph. D., Prest., Mercer Univ., 1905-06; Raleigh, N. C.
*Arthur Clarence Wightman, Ph. D., Prof. of Biology and Physics, Randolph-Macon Coll., 1891-1905.
Henry Van Peters Wilson, Ph. D., Bruce Fellow, 1888-89; Prof. of Biology, Univ. of North Carolina.

1888

Charles McLean Andrews, Ph. D., L. H. D., Professor of History.
Frank Wilson Blackmar, Ph. D., Prof. of Sociology and Economics, Univ. of Kansas.
Charles Augustus Borst, A. B., Asst. in Astronomy, 1889-92.
William Merriam Burton, Ph. D., Supt., Standard Oil Co., Whiting, Ind.
Morgan Callaway, Jr., Ph. D., Prof. of English Philology, Univ. of Texas.
Charles Hiram Chapman, Ph. D., Pres., Univ. of Oregon, 1893-99; Woodland, Wash.
Edwin Whitfield Fay, Ph. D., Prof. of Latin and Greek, Univ. of Texas.—[1888-90]
Adam Capen Gill, Ph. D., Asst. Prof. of Mineralogy, Cornell Univ.
Joseph Edward Harry, Ph. D., Prof. of Greek, and Dean, Graduate School, Univ. of Cincinnati.
James Taft Hatfield, Ph. D., Prof. of German, Northwestern Univ.
*George Allison Hench, Ph. D., Prof. of German, Univ. of Michigan, 1895-99.
Clifton Fremont Hodge, Ph. D., Asst. Prof. of Physiology, Clark Univ.
Cary Talcott Hutchinson, Ph. D., Acting Assoc. Prof. of Electricity, 1898-99; Consulting Engineer, N. Y.
Alvin Frank Linn, Ph. D., Prof. of Chemistry and Mineralogy, Wittenberg Coll., O. *Did not enter on the fellowship.*
Thomas Logie, Ph. D., Prof. of Romance Lang., Univ. of Cape Town, S. Africa.
Alfred Edward Thayer, M. D., Prof. of Pathology, Univ. of Texas.
*James Starr Trueman, A. B., Prof. of Greek and Latin, Allegheny Coll., 1889-92.
Shozaburo Watase, Ph. D., Bruce Fellow, 1889-90; Prof. of Zoology, Univ. of Tokyo.

1889

Rev. Edward Carey Applegarth, Ph. D., M. D., Clergyman, Boston, Mass.
Arthur George Blachstein, A. B., M. D., St. Petersburg, Russia.
Rudolf John Julius de Roode, Jr., Ph. D., Supt., Bureau of Tests, Internat. Paper Co., N. Y.
George Peter Dreyer, Ph. D., Prof. of Physiology, Med. Dept., Univ. of Ill.
Herman Louis Ebeling, Ph. D., Asst. Prof. of Greek, Hamilton Coll.
Charles Jaques Goodwin, Ph. D., Prof. of Greek, Lehigh Univ.
Christopher Johnston, Jr., Ph. D., Assoc. Prof. of Oriental History, etc.—[1889-91]
Hiram Benjamin Loomis, Ph. D., Western Springs, Ill.
John Hanson Thomas McPherson, Ph. D., Prof. of History, Univ. of Georgia.
Thomas Hunt Morgan, Ph. D., Bruce Fellow, 1890; Prof. of Experimental Zoology, Columbia Univ.
Daniel Alexander Murray, Ph. D., Prof. of Mathematics, Dalhousie Univ., Nova Scotia.
Charles Lane Poor, Ph. D., Prof. of Astronomy, Columbia Univ.
*George Mann Richardson, Ph. D., Prof. of Organic Chemistry, Stanford Univ., 1891-1902.
John Cunningham Robertson, Ph. D., Prof. of Greek, St. Stephen's Coll., N. Y.
*Charles Hunter Ross, Ph. D., Prof. of Modern Lang., Alabama Polytech. Inst., 1892-1900.

Joseph Samuel Shefloe, Ph. D., Prof. of Romance Lang. and Librarian, Woman's College, Baltimore.
Robert Benson Steele, Ph. D., Adjunct Prof. of Latin, Vanderbilt Univ.
Bert John Vos, Ph. D., Assoc. and Assoc. Prof. of German, 1893-1908; Prof., Indiana Univ.—[1889-91]
James Albert Woodburn, Ph. D., Prof. of American History, Indiana Univ.

1890

William Wilson Baden, Ph. D., Prof. of Latin, Univ. of Idaho.—[1890-92]
Robert Payne Bigelow, Ph. D., Bruce Fellow 1891-93; Instr. in Biology and Librarian, Mass. Inst. of Tech.
Edwin Grant Conklin, Ph. D., Prof. of Zoology, Univ. of Pa.
Rev. William Levering Devries, Ph. D., S. T. B., Clergyman, Washington.
George Houghton Gilman, A. B., LL. B., Atty. at Law, New York. *Did not enter on the fellowship.*
Thomas Perrin Harrison, Ph. D., Prof. of English, Davidson Coll.
Charles Rollin Keyes, Ph. D., Mining Engineer, Des Moines, Iowa.
Edwin Seelye Lewis, Ph. D., late Prof. Romance Lang., Princeton; Atty. at Law, N. Y.
Arthur Stanley Mackenzie, Ph. D., Prof. of Physics, Dalhousie Univ., N. S.
Henry Parker Manning, Ph. D., Assoc. Prof. of Mathematics, Brown Univ.
Wilfred Pirt Mustard, Ph. D., Collegiate Prof. of Latin.
Barker Newhall, Ph. D., Prof. of Greek, Kenyon Coll.
Edward Bennett Rosa, Ph. D., Chief Physicist, Bureau of Standards, Washington; Prof. George Washington Univ.
Charles Edward Saunders, Ph. D., Prof. of Chemistry, Central Univ., Ky., 1891-93; Ottawa, Canada.
Bernard Christian Steiner, LL. B., Ph. D., Librarian, Pratt Library; Associate in History.
John White, Jr., Ph. D., Prof. of Chemistry, Rose Polytechnic Inst.
Westel Woodbury Willoughby, Ph. D., Prof. of Political Science.

1891

Edward Ambrose Bechtel, Ph. D., Instr. in Latin, Univ. of Chicago. *Did not enter on the fellowship.*
Julius Blume, Modern Lang. Master, University School, Baltimore, 1892-99.
Albert Bernhardt Faust, Ph. D., Asst. Prof. of German, Cornell Univ.
Simon Flexner, M. D., Director, Rockefeller Inst. for Medical Research, N. Y.
Ulysses Sherman Grant, Ph. D., Prof. of Geology, Northwestern Univ.
William Asbury Harris, Ph. D., Prof. of Greek, Richmond Coll., Va.
Harry Clary Jones, Ph. D., Prof. of Physical Chemistry.
James Lawrence Kellogg, Ph. D., Prof. of Biology, Williams Coll.
Elmer Peter Kohler, Ph. D. Prof. of Chemistry, Bryn Mawr.
*Paul Erasmus Lauer, Ph. D., Asst. Supt. of Schools, Cleveland, O., 1892-93.
David Judson Lingle, Ph. D., Asst. Prof. of Physiology, Univ. of Chicago.
John Hanson Thomas Main, Ph. D., President, Iowa Coll.
Frank Jewett Mather, Jr., Ph. D., late Instr. in English, Williams Coll.; Asst. Editor, *The Evening Post*, N. Y.
Michael Andrew Mikkelsen, Ph. D., Asst. Editor, *The Sun*, N. Y.
John Dyneley Prince, Ph. D., Prof. of Semitic Lang., Columbia.
Brantz Mayer Roszel, Ph. D., Princ., Shenandoah Valley Acad., Va., 1908—.
George Owen Squier, Ph. D., Major, U. S. Signal Corps.
Sidney Grant Stacey, Ph. D., Instr. in Latin, High School, Brooklyn.
Joseph Moody Willard, A. B., Prof. of Mathematics, Pennsylvania State Coll.

1892

Burleigh Smart Annis, A. B., late Instr. in Mathematics, High School, Hartford, Conn.; Chattanooga, Tenn.
Lewellys Franklin Barker, M. D., Prof. of Medicine.
Rev. Melvin Brandow, A. B., Asst. Librarian, 1894-1903; Clergyman, Plymouth, Mass.
Alexander Mitchell Carroll, Ph. D., Head Prof. of Classical Philol., George Washington Univ.
Harry Max Ferren, A. B., Instr. in German, Allegheny (Pa.) High School.
David Hull Holmes, Ph. D., Classical Instr., High School, Brooklyn.
Arthur John Hopkins, Ph. D., Prof. of Chemistry, Amherst Coll.
Theodore Hough, Ph. D., Prof. of Physiol., Univ. of Va.

James Alton James, Ph. D., Prof. of European History, Northwestern Univ.
Francis Plaisted King, Ph. D., Asst. Geologist of Ga., 1893-96; Portland, Me.
Emory Bair Lease, Ph. D., Instr. in Latin, College of the City of New York.
*Edward Payson Manning, Ph. D., Instr. in Mathematics, St. Lawrence Univ., 1894-95.
*Louis Emil Menger, Ph. D., Assoc. Prof. and Prof. of Romance Philol., Bryn Mawr, 1897-03.
*Lucius Salisbury Merriam, Ph. D., Instr. in Polit. Econ., Cornell, 1893-94.
Mayo Maynard Metcalf, Ph. D., Bruce Fellow, 1893; Prof. of Zoology, Oberlin Coll.
*Renè de Poyen-Bellisle, Ph.D., Instr. in Romance Philol., Chicago, 1894-1900.
Arthur Percy Saunders, Ph. D., Prof. of Chemistry, Hamilton Coll.
Rev. Daniel Gurden Stevens, Jr., Ph. D., Clergyman, Bryn Mawr, Pa.—[1892-94]
Frederick Tupper, Jr., Ph. D., Prof. of Rhetoric and English Lit., Univ. of Vermont.
Frank Alfred Wolff, Jr., Ph. D., Physicist, Bureau of Standards, Washington; Prof. of Electrical Engineering, George Washington Univ.

1893

Thomas Stockham Baker, Ph. D., Prof. of Mod. Lang., Tome Inst.
John Spencer Bassett, Ph. D., Prof. of History, Smith Coll.
George Melville Bolling, Ph. D., Assoc. Prof. of Greek and Comp. Philol., Catholic Univ.
Abraham Cohen, Ph. D., Associate in Mathematics.
Ervin Sidney Ferry, S. B., Prof. of Physics, Purdue Univ.
William Francis Galloway, Ph. D., Princ., Chatham Acad., Savannah, Ga.
Ross Granville Harrison, Ph. D., M. D., Bruce Fellow, 1894; Prof. of Compar. Anatomy, Yale Univ.
Bert Holmes Hite, M. S., Prof. of Agric. Chem., West Va. Univ.—[1893-95]
Samuel Verplanck Hoffman, M. E., New York.
Jacob H. Hollander, Ph. D., Prof. of Polit. Economy.
Charles William Leverett Johnson, Ph. D., Instr. in Latin, Princeton, 1900-03; Baltimore.
George Wesley Johnston, Ph. D., Lecturer in Latin, Univ. of Toronto.
George Charles Keidel, Ph. D., Assoc. in Romance Languages.—[1893-95]
Edward Bennett Mathews, Ph. D., Prof. of Mineralogy and Petrography.
Edwin Fitch Northrup, Ph. D., Assoc. Prof. of Physics, Univ. of Texas, 1896-97; Philadelphia.—[1893-95]
*Alfred William Stratton, Ph. D., Registrar, Univ. of the Punjab, and Prof. of Sanskrit, Oriental Coll., Lahore, India, 1899-02.
Frederick Henry Sykes, Ph. D., Director, Extension Teaching, Columbia Univ.
George Francis Weida, Ph. D., Prof. of Chemistry, Kenyon Coll., Ohio.

1894

Arthur Fisher Bentley, Ph. D., Chicago.
Samuel Walker Beyer, Ph. D., Assoc. Prof. of Geology, Iowa Agric. Coll.
Clarence Griffin Child, Ph. D., Prof. of English, and Dean, Faculty of Philosophy, Univ. of Pa.
Frank Hollinger Clutz, Ph. D., Kansas City, Mo.—[1894-96]
Fonger DeHaan, Ph. D., Prof. of Spanish, Bryn Mawr. *Did not enter on the fellowship.*
Henry Stewart Gane, Ph. D., U. S. Geological Survey, Washington.
William August Haussmann, Ph. D., Instr. in German, Central High School, Philadelphia.
Reid Hunt, Ph. D., M. D., Pharmacologist, Bureau of Public Health, Washington.—[1894-96]
Thomas Franklin Kane, Ph. D., Pres. and Prof. of Latin, Univ. of Washington.
William Hamilton Kirk, Ph. D., Prof. of Latin, Rutgers Coll.
Henry McElderry Knower, Ph. D., Bruce Fellow, 1895-96; Instr. in Anatomy.
George Lefevre, Ph. D., Bruce Fellow, 1895-97; Prof. of Zoology, Univ. of Missouri.
Caspar Levias, A. B., Prof. of Exegesis and Hebrew Grammar, Hebrew Union Coll., Cincinnati. *Reappointed* 1895, *but resigned.*

William Henry Maltbie, Ph. D., Prof. of Mathematics and Registrar, Woman's Coll., Balt.
Thomas Francis Moran, Ph. D., Prof. of History and Economics, Purdue Univ.
Louis Trenchard More, Ph. D., Prof. of Physics, Univ. of Cincinnati.
James Flack Norris, Ph. D., Prof. of Chemistry, Simmons Coll., Boston.
Herbert Dodge Pease, M. D., Lecturer, Albany Med. Coll.

1895

Norman Ross Carmichael, A. M., Assoc. Prof. of Physics, School of Mining, Kingston, Ont.
Arthur Douglas Chambers, Ph. D., Chemist, Ashburn, Mo.
*Franklin Story Conant, Ph. D., Bruce Fellow, 1897.
Rev. Eneas Bernard Goodwin, A. B., Clergyman, LaGrange, Ill.
William Jackson Humphreys, Ph. D., Director, U. S. Meteorological Observ., Bluemont, Va.
Oliver Martin Johnston, Ph. D., Asst. Prof. of Romanic Lang., Stanford Univ.
Gordon Jennings Laing, Ph. D., Asst. Prof. of Latin, Univ. of Chicago.
*Louis Eugene Livingood, M. D., Asst. in Pathology, 1896-98, and Associate, 1898.
Ebenezer Mackay, Ph. D., Prof. of Chemistry and Mineralogy, Dalhousie Univ., N. S.
John McLaren McBryde, Jr., Ph. D., Acting Dean, Sweetbriar Inst., Amherst, Va.
Henry Ludwell Moore, Ph. D., Prof. of Political Economy, Columbia.
Charles William Peppler, Ph. D., Prof. of Greek, Emory Coll., Ga.
Franklin Lafayette Riley, Ph. D., Prof. of History, Univ. of Miss.
Frederick George Gottlob Schmidt, Ph. D., Prof. of Modern Lang., Univ. of Oregon.
John Adams Scott, Ph. D., Prof. of Greek, Northwestern Univ.
George Otis Smith, Ph. D., Director, U. S. Geological Survey, Washington.
M. Victor Staley, Ph. D., late Prof., Univ. of Washington.
Thomas Hardy Taliaferro, Ph. D., Acting Prof. of Physics, Md. Agric. Coll.
Harry Langford Wilson, Ph. D., LL. D., Prof. of Roman Archæology and Epigraphy. *Did not enter on the fellowship.*

1896

Edward Cooke Armstrong, Ph. D., Assoc. Prof. of French.
James Morton Callahan, Ph. D., Prof. of Hist. and Pol. Sci., W. Va. Univ.
Edward Perkins Carter, M. D., Physician, Cleveland, Ohio.
Hubert Lyman Clark, Ph. D., Asst. in Invert. Zool., Harvard.
Noah Ernest Dorsey, Ph. D., Physicist, Bureau of Standards, Washington.
Pelham Edgar, Ph. D., Prof. of French, Victoria Univ., Ont.
Edwin Luther Green, Ph. D., Adjunct Prof. of Ancient Lang., S. Carolina Coll.
Arthur Sewall Haggett, Ph. D., Prof. of Greek, Univ. of Washington.
William Edwards Henderson, Ph. D., Asst. Prof. of Anal. Chemistry, Ohio State Univ.
Charles Hoeing, Ph. D., Asst. Prof. of Latin, Univ. of Rochester.—[1896-98]
Duncan Starr Johnson, Ph. D., Bruce Fellow, 1887-98; Prof. of Botany.
Rev. Paul Henry Land, A. B., Clergyman, Lima, Ohio.
Omera Floyd Long, Ph. D., Asst. Prof. of Latin, Northwestern Univ.
William Tyler Mather, Ph. D., Assoc. Prof. of Physics, Univ. of Texas.
John Frederick Mohler, Ph. D., Prof. of Physics, Dickinson Coll. *Did not enter on the fellowship.*
Jens Anderson Ness, Ph. D., Prof. of Latin, Wittenberg Coll., O.—[1896-98]
Alexander Pell, Ph. D., Prof. of Mathematics, Univ. of South Dakota.
Cornelius William Prettyman, Ph. D., Prof. of German, Dickinson Coll.
*Charles Dabney Ragland, Ph. D., Prof. of Chemistry, Randolph-Macon Coll., 1896-1900.
Frank Roy Rutter, Ph. D., Dept. of Agriculture, Washington.
George Burbank Shattuck, Ph. D., Prof. of Geology, Vassar Coll.

1897

Cleveland Abbe, Jr., Ph. D., U. S. Geol. Survey, Washington.
Charles Hillman Brough, Ph. D., LL. B., Prof. of Philosophy and History, Hillman Coll., Miss.
Pierce Butler, Ph. D., Prof. of History, Tulane Univ.—[1897-99]
Killis Campbell, Ph. D., Adj. Prof. of English, Univ. of Texas.
Gilman Arthur Drew, Ph. D., Bruce Fellow, 1898; Prof. of Biology, Univ. of Maine.
Charles Wilson Greene, Ph. D., Prof. of Physiology, Univ. of Missouri.
Karl Joseph Grimm, Ph. D., Rayner Fellow, 1899-01; Prof. of Modern Lang., Pennsylvania Coll.—[1897-99]
James Graham Hardy, Ph. D., Asst. Prof. of Mathematics, Williams Coll.
William App Jones, Ph. D., Analytical Chemist, New York.
William Kurrelmeyer, Ph. D., Assoc. in German.—[1897-99]
Guy Carleton Lee, Ph. D., Instr. in History, 1898-1904.
Charles Elwood Mendenhall, Ph. D., Prof. of Physics, Univ. of Wisconsin.
Samuel Alfred Mitchell, Ph. D., Instr. in Astronomy, Columbia.
Joseph Longworth Nichols, A. B., M. D., Saranac Lake, N. Y.
William Albert Nitze, Ph. D., Prof. of Romance Lang., Univ. of Cal., 1908—.
Daniel Allen Penick, Ph. D., Asst. Prof. of Greek and Latin, Univ. of Texas.
Ebenezer Emmet Reid, Ph. D., Prof. of Chemistry and Physics, Baylor Univ.
William Berney Saffold, Ph. D., Prof. of Latin, Univ. of Alabama. *Did not enter on the fellowship.*
Henry Nevill Sanders, Ph. D., Prof. of Greek, Bryn Mawr.
Charles William Waldner, Ph. D., Physicist, Bureau of Standards, Washington.

1898

Thomas Sewell Adams, Ph. D., Asst. Prof. of Economics, Univ. of Wisconsin.
John William Basore, Ph. D., Preceptor in Classics, Princeton.
Frank Ringgold Blake, Ph. D., Instr. History, Balt. City Coll.; Assoc. in Oriental Lang.—[1898-1902]
Joseph Scudder Chamberlain, Ph. D., Chemist, Dept. of Agr., Washington.
Percy Millard Dawson, A. B., M. D., Assoc. Prof. of Physiology.
George Stronach Fraps, Ph. D., Prof. of Chemistry, A. and M. Coll. of Texas, and State Chemist.
Pierre Joseph Frein, Ph. D., Prof. of French, Univ. of Washington.
Leonidas Chalmers Glenn, Ph. D., Prof. of Geology, Vanderbilt Univ.
Caswell Grave, Ph. D., Bruce Fellow, 1899-01; Assoc. Prof. of Zoology; State Shell-Fish Commissioner, Balt.
Hollister Adelbert Hamilton, Ph. D., Prof. of Greek, Elmira Coll.
George Oscar James, Ph. D., Instr. in Mathematics, Washington Univ., St. Louis.
Joseph Francis Merrill, Ph. D., Director, School of Mines, and Prof. of Physics, etc., Univ. of Utah.
Alfred William Milden, Ph. D., Prof. of Classics, Emory and Henry Coll.
Eugene Lindsay Opie, A. B., M. D., Member, Rockefeller Institute, N. Y.
Frederick Albert Saunders, Ph. D., Prof. of Physics, Syracuse Univ.
Laurence Frederick Schmeckebier, Ph. D., Chief, Div. of Publications, Dept. of Interior, Washington.
Henry Skinner West, Ph. D., Asst. Supt. of Schools, Balt.

1899

George Ernest Barnett, Ph. D., Assoc. Prof. of Polit. Economy. *Reappointed* 1900, *but resigned.*
William Martin Blanchard, Ph. D., Asst. Prof. of Chemistry, De Pauw Univ.
Charles Edward Caspari, Ph. D., Prof. of Chemistry, St. Louis Coll. of Pharmacy. *Did not enter on the fellowship.*
Luther Pfahler Eisenhart, Ph. D., Preceptor in Mathematics, Princeton.
*Herbert Baldwin Foster, Ph. D., Acting Prof. of Greek, Lehigh Univ., 1904-05.
William Linwood Foushee, Ph. D., Prof. of Latin, Richmond Coll.
Clyde Chew Glascock, Ph. D., Asst. Prof. of German, Yale.
Lawrence Edmonds Griffin, Ph. D., Bruce Fellow, 1900; Prof. of Biology, Missouri Valley Coll.
Sivert N. Hagen, Ph. D., Instr. in English and German, Vanderbilt Univ.
Joseph Cawdell Herrick, Ph. D., Instructor in Sciences, St. Joseph's Sem., Yonkers, N. Y.

*Julian Huguenin, Ph. D., Acting Prof. of English, Univ. of Louisiana, 1900-01.
Walter Hullihen, Ph. D., Prof. of Latin, Univ. of Chattanooga, Tenn.
Charles August Kraus, S. B., Research Assoc. in Phys. Chem., Mass. Inst. of Tech.
Harry Taylor Marshall, A. B., M. D., Prof. of Pathology, Philippine Med. School, Manila.
John Charles Olsen, Ph. D., Prof. of Anal. Chemistry, Brooklyn Polytechnic Inst.
Herbert Meredith Reese, Ph. D., Instr. in Physics, Univ. of Missouri.
George Burr Richardson, Ph. D., U. S Geological Survey, Washington.
*Richard Burton Rowe, Ph. D., U. S. Geological Survey, 1900-02.
James Eustace Shaw, Ph. D., Associate in Italian.
Charles Clinton Weaver, Ph. D., Prof. of History, Davenport Coll., N. C.

1900

Herbert Thompson Archibald, Ph. D., Prof. of Greek, Occidental Coll., Cal.
George Dobbin Brown, Ph. D., Instr. in English, Princeton.
Benjamin Palmer Caldwell, Ph. D., Asst. Prof. of Chemistry, Tulane Univ.
Howard Vernon Canter, Ph. D., Instr. in Latin, Univ. of Missouri. *Did not enter on the fellowship.*
Winterton Conway Curtis, Ph. D., Asst. Prof. of Zoology, Univ. of Missouri.
Waverley Bayard Daniel, Ph. D., Prof. of Latin, Baylor Univ., Texas.
Joseph Erlanger, M. D., Prof. of Physiology, Univ. of Wisconsin. *Did not enter on the fellowship.*
Arthur Henry Ewing, Ph. D., Prof., Christian Coll., Allahabad, India.
Joseph Christie Whitney Frazer, Ph. D., Assoc. Chemist, U. S. Geological Survey, Pittsburg.
Norman Everett Gilbert, Ph. D., Asst. Prof. of Physics, Dartmouth Coll.
Roscoe Guernsey, Ph. D., Tutor in Greek, Columbia. *Reappointed* 1901, *but resigned.*
Fred Cole Hicks, Ph. D., Instructor in German, Univ. of Wisconsin.
George Curtis Martin, Ph. D., Instr. in Paleontology, 1901-04; U. S. Geological Survey.
William Elejius Martin, Ph. D., Prest. Sullins Coll., Bristol, Va.-Tenn.
Charles Alfred Mosemiller, A. B., Assoc. Prof. of Romance Lang., Indiana Univ.
Roland Jessup Mulford, Ph. D., Head Master, Ridgefield School, Conn.
Louis Alexander Parsons, Ph. D., Prof. of Physics, Pennsylvania Coll.—[1900-02]
Israel Euclid Rabinovitch, Ph. D., New York City.
Charles Sidney Smith, Ph. D., Asst. Prof. of Greek and Latin, George Washington Univ. *Did not enter on the fellowship.*
Percy Goldthwait Stiles, Ph. D., Assoc. Prof. of Biology, Simmons Coll., Boston. *Did not enter on the fellowship.*
Gordon Wilson, M. D., Physician, Baltimore.

1901

Francis Marion Austin, A. B., Prof. of Latin, Ill. Wesleyan Univ. *Did not enter on the fellowship.*
LeRoy Carr Barret, Ph. D., Preceptor in Classics, Princeton.—[1901-03]
George Olaf Berg, Ph. D., Prof. of Greek, Wittenberg Coll.—[1901-03]
Arthur Byron Coble, Ph. D., Assoc. in Mathematics.
Rheinart Parker Cowles, Ph. D., Bruce Fellow, 1902-04; Instr. in Biology.
Albert Eugene Curdy, Ph. D., Instr. in French, Yale.
Philip Howard Edwards, Ph. D., Instr. Latin, Balt. City Coll.—[1901-03]
James Warner Harry, Ph. D., Baltimore.
Edward Pechin Hyde, Ph. D., Physicist, Bureau of Standards, Washington.
Herman Kurrelmeyer, Ph. D., Instr. in Mod. Lang., Mass. Inst. of Tech.
Charles Fowler Lindsay, Ph. D., Research Chemist, General Electric Co., Schnectady.
Robert Edward Loving, Ph. D., Instr. in Physics, Univ. of Missouri. *Did not enter on the fellowship.*
Louis Wardlaw Miles, Ph. D., Preceptor in English, Princeton.
Benjamin Leroy Miller, Ph. D., Prof. of Geology, Lehigh Univ.
Gabriel Oussani, A. B., S. T. B., Rayner Fellow, 1903; Prof. of Italian, Latin, and Oriental Lang., Catholic Seminary, N. Y.—[1901-03]
Charles Oscar Paullin, S. B., Washington, D. C. *Did not enter on the fellowship.*

George Ragland, A. B., Prof. of Greek, Baylor Univ., Texas. *Did not enter on the fellowship.*
M. Llewellyn Raney, Ph. D., Asst. Librarian.—[1901-03]
Dorothy M. Reed, M. D., Madison, Wis. [Mrs. C. E. Mendenhall.]
Daniel Naylor Shoemaker, Ph. D., Botanist, U. S. Dept. of Agriculture, Washington.
William Stone Weedon, Ph. D., Research Chemist, Wilmington, Del.

1902

Elbert Jay Benton, Ph. D., Prof. of History, Western Reserve Univ.
Charles Keyser Edmunds, Ph. D., Prof. of Physics, Christian Coll., Canton, China.
Frederick Hutton Getman, Ph. D., Lecturer in Physics, Columbia.
Yukimasa Hattori, Ph. D.
John Gale Hun, Ph. D., Instr. in Mathematics, Princeton.
Albert Johannsen, Ph. D., U. S. Geological Survey, Washington.
Alfred Allan Kern, Ph. D., Prof. of English, Millsaps Coll., Miss.
Ernest Gale Martin, Ph. D., Instr. in Physiology, Harvard.
Alfred James Morrison, Ph. D., Prof. of Latin and German, Hampden-Sidney Coll.
Walter Thomson Peirce, Ph. D., Asst. Prof. of French, Ohio State Univ.
Robert Bruce Roulston, Ph. D., Instr. in German, 1908—.
John Philip Schneider, Ph. D., Prof. of English, Wittenberg Coll.
Arthur Whitmore Smith, Ph. D., Asst. Prof. of Physics, Univ. of Mich.
David Hilt Tennent, Ph. D., Bruce Fellow, 1904; Assoc. Prof. of Zoology, Bryn Mawr.—[1902-04]
Roy McLean Van Wart, A. B., M. D. C. M., Physician, New Orleans, La.
Kisaburo Yamaguchi, Ph. D., Honjo, Tokyo.

1903

Samuel James Allen, Ph. D., Asst. in Physics, Univ. of Cincinnati.
James Barnes, Ph. D., Assoc. in Physics, Bryn Mawr.
Douglas Labaree Buffum, Ph. D., Preceptor in Mod. Lang., Princeton.
Walter Buckingham Carver, Ph. D., Instr in Mathematics, Cornell Univ.
Howard Waters Doughty, Ph. D., Instr. in Chemistry, Amherst.
Aaron Ember, Ph. D., Rayner Fellow; Instr. in Hebrew.
John Calvin French, Ph. D., Instr. in English.
August Ernest Guenther, Ph. D., Asst. Prof. of Physiology, Univ. of Nebraska. *Reappointed* 1904, *but resigned.*
Elliot Snell Hall, Ph. D., Assoc. Prof. of Chemistry, Amherst.
Lee Milton Hollander, Ph. D., Instr. in German, Univ. of Michigan.
John Porter Hollis, Ph. D., Bureau of Corporations, Washington.
Arthur Isaac Kendall, Ph. D., Bacteriologist, Ancon Hospital, Panama, S. A.
William Kirk, Ph. D., Asst. Prof. of Economics, Brown Univ.
Winfred George Leutner, Ph. D., Instr. in Greek and Latin, Adelbert Coll. *Did not enter on the fellowship.*
Raymond Durbin Miller, Ph. D., Fellow by Courtesy.
Walter Lewis Moll, A. B., Instr. in Greek, Concordia Coll., Ind.
Theodore Leslie Shear, Ph. D., Tutor in Greek, Columbia Univ.
Charles Kephart Swartz, Ph. D., Assoc. Prof. of Geology and Paleontology.
Boyd Ashby Wise, Ph. D., Prof. of English, Emory Coll., Ga.
James Martin Wright, Ph. D., Asst. in History, 1905-07; Baltimore.

1904

Victor Hugo Bassett, A. B., M. D., Prof. of Pathology, College of Phys. and Surg., Milwaukee.
Hamilton Bradshaw, Ph. D., Research Chemist, Woodbury, N. J.
Oliver Perry Chitwood, Ph. D., Prof. of History, Mercer Univ.
Robert Treat Crane, Ph. D., U. S. Consular Service, Montreal, Canada.
Charles Eugley Mathews, A. B., Instr. in Mod. Lang., Princeton.
Ashton Waugh McWhorter, Ph. D., Prof. of Greek, Hampden-Sidney Coll., Virginia.
William John Miller, Ph. D., Prof. of Geology, Hamilton Coll.
James Marvin Motley, Ph. D., Asst. Prof. of Polit. Econ., Stanford Univ.
Samuel Grant Oliphant, Ph. D., Henry E. Johnston Scholar, 1906-07; Prof. of Ancient Lang., Olivet Coll.—[1904-06]
Henry Bayard Phillips, Ph. D., Instr. in Mathematics, Mass. Inst. of Tech.

James Temple Porter, Ph. D., Prof. of Physics and Astronomy, Univ. of Tennessee, 1908—.
Robert Lee Ramsay, Ph. D., Instr. in English, Univ. of Missouri.
Robert Retzer, M. D., Instr. in Anatomy.
Andrew Dante Schrag, Ph. D., Instr. in German, Adelbert Coll., 1906-07.
Forrest Shreve, Ph. D., Bruce Fellow, 1905-06; Assoc. Prof. of Botany, Woman's Coll., Balt.
Levi Shoemaker Taylor, Ph. D., Science Instr., Friends' Central School, Phila.
Horace Scudder Uhler, Ph. D., Instructor in Physics, Yale Univ.
Robert Daniel Williams, A. M., Graduate Student.—[1904-06]
Louis Bernard Wolfenson, Ph. D., Baltimore.

1905

Robert Ervin Coker, Ph. D., Bruce Fellow, 1906; pursuing studies in the marine fisheries of Peru, for the Peruvian government.
Ernest K. Cullen, M. B., Physician, Baltimore.
Edwin Preston Dargan, Ph. D., Adj. Prof. of Romance Lang., Univ. of Va.
George Wicker Elderkin, Ph. D., Student, Amer. School of Classical Studies, Athens.
John Augustine English Eyster, M. D., Prof. of Pharmacol., Univ. of Va., 1908—.
Horace Edgar Flack, Ph. D., City Statistician, Balt.
Frederick Squire Hemry, A. M., Fellow by Courtesy.
*Frederick W. Hilbert, A. B.
Herbert Pierrepont Houghton, Ph. D., Instr. in Classics, Princeton.—[1905-07]
Llewellyn Griffith Hoxton, A. M., Adj. Prof. of Physics, Univ. of Va.
William Lee Kennon, Ph. D., Instr. in Chemistry, Williams Coll.
Albert Harp Licklider, Ph. D., Instr. in English.
Henry Martin, Ph. D., Instr. in Classics, Buena Vista, Va.
LeRoy McMaster, Ph. D., Instr. in Chemistry, Washington Univ., St. Louis.
John Frederick Messick, Ph. D., Asst. Prof. of Mathematics, Randolph-Macon Coll.
August Herman Pfund, Ph. D., James Buchanan Johnston Scholar.
William Frederick Prouty, Ph. D., Assoc. Prof. of Geology, Univ. of Alabama, and Asst. State Geologist.
William Henry Schultz, Ph. D., Instr. in Physiology, Univ. of Missouri.—[1905-07]
Henry McGilbert Wagstaff, Ph. D., Assoc. Prof. of Hist., Univ. of North Carolina.

1906

John August Anderson, Ph. D., Carnegie Research Asst. in Physical Chemistry; Instr. in Astronomy, 1908—.
Clyde Shepherd Atchison, Ph. D., Instr. in Mathematics, Williams Coll.
Harold Herman Bender, Ph. D., Student in Germany.
Philip Blanc, A. B., S. T. L., Prof. of Hebrew and of Latin Liturgical Texts, St. Mary's Seminary, Balt.; Fellow by Courtesy. *Reappointed* 1907, *but resigned.*
Douglas Southall Freeman, A. B., Fellow by Courtesy.
William Davis Furry, Ph. D., Henry E. Johnston Jr. Scholar.
Theodore Wesley Glocker, Ph. D., Asst. in Economics, 1907-08.—Asst. Head, Research Dept., School for Social Workers, Boston.
G. W. Greenwood, A. M., Prof. of Mathematics, Roanoke Coll., 1906-07. *Did not enter on the fellowship.*
Walter Clark Haupt, Fellow in German.—[1906-08]
Henry Frederic Helmholz, S. B., M. D., Physician, Milwaukee, Wis.
Herbert Eugene Ives, S. B., Fellow in Physics.—[1906-08]
Henry Carrington Lancaster, Ph. D., Instr. in Romance Lang., Amherst Coll.
Ivey Foreman Lewis, Ph. D., Bruce Fellow.
Benjamin Franklin Lovelace, Ph. D., Asst. in Chemistry.
Leonard Leopold Mackall, A. B., Student in Germany. *Did not enter on the fellowship.*
Charles Augustus Myers, A. B., Fellow in English.—[1906-08]
Marbury Bladen Ogle, Ph. D., Asst. Prof. of Latin, Univ. of Vermont.
Daniel Webster Ohern, Ph. D., Associate in Geology, Bryn Mawr Coll.

Edward Charles F. Phillips, A. B., Fellow by Courtesy. *Did not enter on the fellowship.*
Charles Henry Saylor, Ph. D., Prof. of Greek, Marshall Coll., W. Va.
Charles Milton Stine, Ph. D., Research Chemist, Chester, Pa.

The list of the present holders of fellowships is given on page 23.
The whole number appointed in thirty-two years is 557.

Degrees Conferred, 1878-1907

Doctor of Laws (Honorary)

1881

*Rutherford B. Hayes, President of the United States.

1902

Edwin Anderson Alderman, President of the University of Virginia.
James Burrill Angell, President of the University of Michigan.
John Shaw Billings, Director of the New York Public Library.
Nicholas Murray Butler, President of Columbia University.
Charles William Dabney, President of the University of Cincinnati.
Charles William Eliot, President of Harvard University.
Arthur Twining Hadley, President of Yale University.
Granville Stanley Hall, President of Clark University.
*William Rainey Harper, President of the University of Chicago.
John Franklin Jameson, Director, Department of Historical Research, Carnegie Institution, Washington.
David Starr Jordan, President of Leland Stanford Junior University.
James Loudon, President of the University of Toronto.
John William Mallet, Professor of Chemistry in the University of Virginia.
Simon Newcomb, Professor of Mathematics, United States Navy.
Francis Landey Patton, President of Princeton Theological Seminary.
William Peterson, Principal of McGill University.
Henry Smith Pritchett, President of the Massachusetts Institute of Technology.
Josiah Royce, Professor of the History of Philosophy in Harvard University.
James Schouler, Historian, Boston, Mass.
Charles Doolittle Walcott, Secretary of the Smithsonian Institution.
Benjamin Ide Wheeler, President of the University of California.
Andrew Dickson White, late Ambassador of the United States in Germany.
Edmund Beecher Wilson, Professor of Zoology in Columbia University.
Woodrow Wilson, President of Princeton University.

1903

Joseph John Thomson, Cavendish Professor of Experimental Physics in the University of Cambridge.

1905

William Osler, Honorary Professor of Medicine in the Johns Hopkins University, Regius Professor in the University of Oxford.
Albert von Pfister, President of the Württemberg Society of History and Antiquities.

1906

*Sir William Henry Perkin, of London, England.

DOCTOR OF PHILOSOPHY (HONORARY)

1880

*Henry Augustus Rowland, Professor of Physics in the Johns Hopkins University.

DOCTOR OF PHILOSOPHY

When the institution is not named, this university is to be understood. (F) indicates that the person has held a fellowship here. *—Died.

1878

Henry Carter Adams (F), A. B. Iowa 1874; LL. D. Wisconsin 1904; Instr. 1879-81, Lecturer 1892-94; Lecturer and Assoc. Prof. Cornell 1879-87.—Prof. Pol. Econ. Univ. of Mich.; Statistician, Interstate Commerce Commission.

*Thomas Craig (F), C. E. Lafayette 1875; U. S. Coast Survey 1879-81; Instr. Assoc. Assoc. Prof. Prof. Math. 1879-1900; Editor *American Journal of Mathematics* 1894-1899. **May* 8, 1900.

Josiah Royce (F), California (A. B. 1875, Asst. Prof. 1878-82); LL. D. 1902, Lecturer 1905-06.—Prof. Hist. of Philos. Harvard.

Ernest Gottlieb Sihler (F), Concordia (Ind.) 1869; Prof. Concordia (Milwaukee) 1891-92.—Prof. Latin N. Y. Univ. (4)

1879

Maurice Bloomfield (F), A. M. Furman 1877; LL. D. Princeton 1896. —Prof. Sanskrit and Compar. Philol.

Samuel Fessenden Clarke (F), Ph. B. Yale 1878; Asst. 1879-81.—Prof. Natural Hist. Williams Coll.

George Bruce Halsted (F), Princeton (A. B. 1875, Tutor and Instr. 1878-84); Prof. Univ. of Texas 1884-1903; Prof. Math. Kenyon Coll. 1903-06.—Greeley, Colo.

Edward Hart (F), S. B. Lafayette 1874.—Prof. Anal. Chem. Lafayette Coll.

William White Jacques (F), Mass. Inst. Tech. (S B. 1876, Lecturer 1885-91).—Scientific Investigator, Boston.

Henry Sewall (F), S. B. Wesleyan 1876; Assoc. 1880-82; Mich. (Hon. M. D. 1888, Prof. 1882-89); M. D. Univ. of Colo. 1889.—Prof. Physiol. Univ. of Denver. (6)

1880

Francis Greenleaf Allinson (F), Haverford (A. B. 1876, Asst. Prof. 1880-82); A. B. Harvard 1877; Assoc. Prof. Williams 1892-95; Prof. Class. Philol. Brown Univ.

Fabian Franklin (F), Columbian (Ph. B. 1869, LL. D. 1904); Asst. Assoc. Assoc. Prof. Prof. Math. 1879-95; Editor, *Baltimore News*, 1895-1908.

Edwin Herbert Hall (F), A. B. Bowdoin 1875; Asst. 1880-81.—Prof. Physics, Harvard.

Allan Marquand (F), A. B. Princeton 1874; L. H. D. Hobart 1888.— Prof. Art and Archæol. Princeton.

Washington Irving Stringham (F), A. B. Harvard 1877.—Prof. Math. and Dean, Coll. of Social Sci., Univ. of Cal. Berkeley. (5)

1881

Louis Bevier (F), A. B. Rutgers 1878.—Prof. Greek, Rutgers Coll.

Robert Dorsey Coale (F), Asst. 1881-83.—Prof. Chem. and Dean of Med. Faculty, Univ. of Md.

Edward Allen Fay, A. B. Mich. 1862. —Vice-Pres. and Prof. Lang. Gallaudet Coll. D. C.

Lawrence Bunting Fletcher (F), A.B. Columbia 1877; Instr. Physics, Wesleyan, 1882-83.

Samuel Garner, A. B. St. John's 1871; Prof. Mod. Lang. Univ. of Ind. 1881-87, U. S. Naval Acad. 1887-99.—Annapolis.

Edward Mussey Hartwell (F), Amherst (A. B. 1873, LL. D. 1898); M. D. Miami Med. Coll. 1882; Instr. and Assoc. 1883-91; Director, Phys. Train. Boston Schools 1891-97.—Sec. Dept. of Munic. Statistics, Boston.

William Thompson Sedgwick (F), Ph. B. Yale 1877; Asst. and Assoc. 1880-83.—Prof. Biol. Mass. Inst. Tech.: Lecturer, Simmons Coll.

Christian Sihler (F), Concordia (Ind.) 1866; M. D. Mich. 1871; Asst. 1879-80; Instr. and Acting Prof. Western Reserve 1888-94.— Physician, Cleveland, Ohio.

Edmund Beecher Wilson (F), Ph. B. Yale 1878; Asst. 1881-82, LL. D. 1902; LL. D. Chicago and Clark 1901; Lecturer, Williams, 1883-84; Assoc. Prof. and Prof. Bryn Mawr 1885-91.—Prof. Zool. Columbia. (9)

1882

James Wilson Bright (F), Lafayette (A. B. 1877, LL. D. 1907); Instr. Cornell 1885.—Donovan Prof. English Lit.; Assoc. Ed. *Modern Lang. Notes.*

John Franklin Jameson (F), Amherst (A. B. 1879, LL. D. 1898); Asst. and Assoc. 1882-88, Lecturer 1890-91, LL.D. 1902; Prof. Brown 1888-1901; Prof. Chicago 1901-05. —Director, Dept. of Hist. Research, Carnegie Inst. Wash.

Mitsuru Kuhara (F), Tokyo (S. B. 1877, Lecturer 1882-87), — Prof. Chem. and Director, Coll. of Sci. and Eng. Univ. of Kyoto.

Robert Wright Mahon, C. E. Lehigh 1876; Tutor, Lafayette 1882-83; Acting Prof. Chem. Rose Polytech. 1888-89.

*Oscar Howard Mitchell (F), Marietta (A. B. 1875, Prof. Math. 1882-89). **March* 29, 1889.

George Frederick Nicolassen (F), A. B. Virginia 1879; Asst. 1881-82. —Prof. Greek and German, Southwestern Presb. Univ. Clarksville, Tenn.

William Albert Noyes, A. B. Iowa 1879; Instr. Univ. of Minn. 1882-83; Prof. Univ. of Tenn. 1883-86, Rose Polytech. Inst. 1886-1903; Chief Chemist, National Bureau of Standards, 1903-07.—Prof. Chem. Univ. of Ill. Urbana.

Chase Palmer (F), A. B. 1879; Asst. Mass. Inst. Tech. 1882-83, Tufts Coll. 1887-88; Prof. Chem. Mass. Norm. School, Salem 1883-87, Wabash Coll. 1888-90, Manual Train. School, Louisville 1895-1901, Central Univ. Ky. 1901-05, Ky. State Coll. 1905-06.—Chemist, U. S. Geol. Survey, Wash.

Edward Henry Spieker (F), A. B. 1879.—Assoc. Prof. Greek and Latin. (9)

1883

William John Alexander (F), A. B. London 1876; Prof. Dalhousie 1883-89.—Prof. English, Toronto.

*William Cathcart Day (F), A. B. 1880; Prof. Chem. St. John's 1883-84, Univ. of Nashville 1884-87, Swarthmore 1887-1901. **August* 15, 1905.

William Pitt Durfee (F), A. B. Mich. 1876.—Prof. Math. and Dean, Hobart Coll. Geneva, N. Y.

George Stetson Ely (F), A. B. Amherst 1878; Prof. Math. Buchtel 1883-84.—Prin. Examiner, U. S. Patent Office.

Kakichi Mitsukuri (F), Ph. B. Yale 1879.—Prof. Zool. Univ. of Tokyo.

Bernard Francis O'Connor (F), B. ès Lett. Univ. of France 1874; Instr. and Adj. Prof. Romance Lang. Columbia, 1883-91.—New York. (6)

1884

Herbert William Conn, A. B. Boston Univ. 1881; Asst. 1883-84.—Prof. Biol. Wesleyan, Middletown, Conn.

Ellery Williams Davis (F), S. B. Wis. 1879; Prof. Florida Agric. 1884-88, S. C. Univ. 1888-93.—Prof. Math. Univ. of Neb. Lincoln.

David Talbot Day (F), A. B. 1881.—U. S. Geol. Survey, Washington.

John Dewey (F), A. B. Univ. of Vt. 1879; LL. D. Wisconsin 1904; Instr. and Prof. Mich. 1884-94, Chicago 1894-04; Lecturer 1906-07. —Prof. Philos. Columbia.

*James Reynolds Duggan (F), A. B. Mercer 1877; M. D. Jefferson 1879; Prof. Chem. Wake Forest 1886-88. **January* 10, 1888.

William Henry Howell (F), A. B. 1881; Mich. (Hon. M. D. 1890, Lecturer and Prof. 1889-92); Assoc. Prof. Harvard 1892-93; LL.D. Trinity 1901.—Prof. Physiol. and Dean, Med. Faculty.

Hans Carl Guenther von Jagemann (F), Naumburg Gymnas. 1876; Prof. Earlham 1884-85, Indiana Univ. 1885-89.—Prof. Germanic Philol. Harvard.

Edward Harrison Keiser (F), S. B. Swarthmore 1880; Asst. 1884-85; Assoc. Prof. and Prof. Bryn Mawr 1885-99.—Prof. Chem. Washington Univ. St. Louis.

Arthur Lalanne Kimball (F), A. B. Princeton 1881; Assoc. and Assoc. Prof. 1884-91.—Prof. Physics, Amherst.

Henry Leslie Osborn (F), A. B. Wesleyan 1878; Prof. Purdue 1884-87.—Prof. Biol. and Geol. Hamline Univ. St. Paul, Minn.

Charles Albert Perkins (F), A. B. Williams 1879; Asst. 1884-87; Assoc. Bryn Mawr 1887-91; Prof. Hampden Sidney 1891-92.—Prof. Physics Univ. of Tenn., Knoxville.

Albert Shaw, A. B. Iowa 1879; Reader 1889-90, Lecturer, 1891-92.—Editor *The Review of Reviews*, New York.

Henry Newlin Stokes (F), S. B. Haverford 1879; Asst. Prof. Chem. Chicago 1893-94.—Chemist, Bureau of Standards, Washington.

Lewis Webb Wilhelm (F), A. B. 1880.—Vice-Prin. College Prep. School, Balt.

Arthur Yager, A. B. Georgetown (Ky.) 1878.—Prof. Hist. Georgetown, Ky. (15)

1885

Edward Webster Bemis, Amherst (A. B. 1880, Instr. 1885-86); Adj. Prof. Polit. Econ. Chicago 1892-95.—Supt. City Water Works, Cleveland.

Gustav Bissing (F), A. B. 1882; Examiner U. S. Patent Office 1884-97. —Patent Atty. New York.

Henry Herbert Donaldson (F), A. B. Yale 1879; Asst. 1883-84, Instr. and Assoc. 1885-89; Asst. Prof. Clark 1889-92; Prof. Chicago 1892-1905.—Prof. Neurol. Univ. of Pa.

Louis Duncan, U. S. Naval Acad. 1880; Assoc. and Assoc. Prof. 1886-99; Prof. Mass. Inst. Tech. 1902-04. —Consulting Prof. Electric Traction, Brooklyn Polytech. Inst.

Homer Winthrop Hillyer (F), Wis. (S. B. 1882, Instr. 1885-98).—Asst. Prof. Organic Chem. Univ. of Wis.

Frederic Schiller Lee (F), St. Lawrence Univ. (A. B. 1879, Instr. 1886-87); Assoc. Bryn Mawr 1887-91.—Prof. Physiol. Columbia.

*Gustav Adolph Liebig, Jr. (F), A. B. 1882, Asst. 1887-90. **February* 10, 1897.

James Playfair McMurrich, A. B. Toronto 1879; Instr. 1884-86; Prof. Haverford 1886-89; Instr. Clark 1889-91; Prof. Cincinnati 1891-94, Univ. of Mich. 1894-1907.—Prof. Anatomy, Univ. of Toronto.

Albert Gallatin Palmer (F), A. B. 1882; Asst. and Asst. Prof. Chem. Swarthmore 1885-87. — Norwood, Md.

Harry Fielding Reid (F), A. B. 1880; Prof. Case School, 1886-94; Assoc. Prof. Chicago 1895-97.—Prof. Geol. Physics.

Henry Alford Short, Columbia (A. B. 1880, Fellow 1880-83, Tutor 1885-88).—New York.

Morrison Isaac Swift (F), A. B. Williams 1879; Instr. Philos. Hobart 1882-84.

Henry Alfred Todd, A. B. Princeton 1876; Instr. and Assoc. 1883-91; Prof. Stanford 1891-93.—Prof. Romance Philol. Columbia. (13)

1886

William Shirley Bayley (F), A. B. 1883; Prof. Mineral. and Geol. Colby 1888-1904.—U. S. Geol. Survey; Assoc. Prof. Geol. Univ. of Ill. Champaign.

*Adam Todd Bruce (F), A. B. Princeton 1881; Instr. Osteol. 1886-87. **February* 9, 1887.

Davis Rich Dewey (F), A. B. Univ. of Vt. 1879; Lecturer 1895-96.—Prof. Economics, Mass. Inst. Tech.

William Henry Emerson (F), U. S. Naval Acad. 1880; Prof. S. C. Mil. Acad. 1886-88.—Prof. Chem. Ga. School of Tech. Atlanta.

Joseph Auguste Fontaine, Instr. Univ. of Neb. 1887-89; Prof. Romance Lang. Univ. of Miss. 1889-91, Bryn Mawr, 1891-99.—Buè, France.

Elgin Ralston Lovell Gould (F), A. B. Victoria (Ont.) 1881; Instr. Wash. High School 1884-87; Reader 1887-89; Lecturer, Columbia, 1902-03.—President City and Suburban Homes Co. New York.

William Penn Holcomb, Swarthmore (B. L. 1878, Prof. Hist. 1886-94).—Charlestown, N. H.

Joseph Jastrow (F), A. B. Univ. of Pa. 1882.—Prof. Psychol. Univ. of Wis.

George Theophilus Kemp (F), A. B. 1883; M. D. L. I. Med. Coll. 1891; Demonstr. Univ. of Pa. 1886-87; Assoc. and Assoc. Director, Hoagland Lab. 1888-89.—Prof. Physiol. Univ. of Ill. Champaign.

Charles Herbert Levermore (F), A. B. Yale 1879; Instr. Univ. of Cal. 1886-88; Prof. Hist. Mass. Inst. Tech. 1888-93.—Pres. Adelphi Coll. Brooklyn.

Gonzales Lodge (F), A. B. 1883; LL. D. Franklin and Marshall 1901; Prof. Davidson 1886-88, Bryn Mawr 1889-1900.—Prof. Latin and Greek, Teachers Coll. Columbia Univ.

Charles William Emil Miller (F), A. B. 1882.—Assoc. Prof. Greek.

Henry Barber Nixon (F), Univ. of N. C. 1878.—Prof. Math. Pa. Coll. Gettysburg.

Charles Skeele Palmer (F), A. B. Amherst 1879; Prof. Chem. Univ. of Colo. 1886-1902; Pres. Colo. Sch. of Mines 1902-03.—Assoc. Ed. *Engineering and Mining Journal*, N. Y.

Burr James Ramage, A. B. Newberry 1880; late Prof. Common Law and Dean, Law School, Univ. of the South.—Dept. of Commerce and Labor, Washington.

Shosuke Sato, S. B. Sapporo 1880.—Director and Prof. of Agric. Economics, Agric. Coll. Sapporo, Japan.

Woodrow Wilson (F), A. B. Princeton 1879; LL. D. Wake Forest 1887, Tulane 1898; Litt. D. Yale 1901; Assoc. and Assoc. Prof. Bryn Mawr, 1885-88; Prof. Wesleyan 1888-90; Lecturer 1887-1898, LL. D. 1902.—Pres. and Prof. Jurisprudence and Politics, Princeton. (17)

1887

Cyrus Adler (F), A. B. Univ. of Pa. 1883; Instr. and Assoc. 1887-93.—Librarian, Smithsonian Inst.

Ethan Allen Andrews (F), Ph. B. Yale 1881.—Assoc. Prof. Biology.

Rev. Albert Clayton Applegarth, A. B. 1884.—Clergyman, Huntingdon, Pa.

*David Barcroft (F), Ph. B. Univ. of Cal. 1882. **August* 2, 1894.

Henry Gustav Beyer, M. D. Bellevue Hosp. 1876; M. R. C. S. (London); Director, Phys. Train. U. S. Naval Acad. 1891-95.—Surgeon, U. S. N.

Richard Newman Brackett, A. B. Davidson 1883; Chemist, Ark. Geol. Survey 1887-91.—Assoc. Prof. Chem. Clemson Coll. S. C.

Henry Crew (F), A. B. Princeton, 1882; Asst. 1887-88; Instr. Haverford 1888-91. — Prof. Physics, Northwestern Univ. Ill.

Albert E. Egge (F), A. B. Luther 1879; Prof. St. Olaf 1887-92; Instr. Iowa Univ. 1892-96.— Prof. English, Washington State Coll. Pullman.

John Charles Fields (F), A. B. Toronto 1884; Prof. Allegheny 1889-98.—Assoc. Prof. Math. Toronto.

Andrew Fossum, A. B. Luther 1882. —Prof. Greek, St. Olaf Coll. Northfield, Minn.

Richmond Harding, A. B. Davidson 1880.—Prof. Greek, Davidson, N.C.

Charles Willard Hayes (F), A. B. Oberlin 1883; Lecturer 1903-04.— Chief Geologist, U. S. Geol. Survey, Washington.

William Adam Hedrick, A. M. Columbian 1884. — Instr. Physics, High School, Washington.

Frank Gaylord Hubbard, A. B. Williams 1880; Instr. Smith Coll. 1887-88, Univ. of Cal. 1888-92.— Prof. English, Univ. of Wis.

George Benjamin Hussey (F), A. B. Columbia 1884; Fellow, Princeton 1888-90; Instr. and Assoc. Prof. Univ. of Neb. 1891-94; Docent, Chicago 1894-1900; late Asst. Prof. Greek and Latin, Western Maryland Coll.—Instr. Greek, Carleton Coll. Northfield, Minn.

James Hervey Hyslop (F), A. B. Wooster 1877; Instr. Bucknell 1888-89; Prof. Logic and Ethics, Columbia 1895-02. — Sec. Amer. Inst. for Scientific Research, N. Y.

Marion Dexter Learned (F), A.B. Dickinson 1880; Instr. Assoc. Assoc Prof. 1886-95.—Prof. German, Univ. of Pa.

William Ridgely Orndorff (F), A. B. 1884.—Prof. Organ. Chem. Cornell.

Daniel Richard Randall (F), A. B. St. John's 1883.—Atty. at Law, Annapolis.

Frederick Morris Warren, A. B. Amherst 1880; Instr. and Assoc. 1886-91; Prof. Adelbert 1891-01.—Prof. Modern Lang. Yale; Lecturer, French Lit. (20)

1888

William Muss Arnolt (F), B. D. New Brunswick Theol. Sem. 1882; Instr. 1891-93; Asst. Prof. Univ. of Mich. 1893; Instr. and Asst. Prof. Biblical Philol. and Asst. Recorder, Chicago 1893-1903.—Belmont, Mass.

Philip Wheelock Ayres (F), Ph. B. Cornell 1884.—Forester, Concord, N. H.

Louis Bell (F), A. B. Dartmouth 1884; Prof. Physics, Purdue 1888-89; Lecturer, Mass. Inst. Tech. 1900-01.—Elec. Engineer, Boston.

Benjamin Lester Bowen, A. B. Rochester 1881; Prof. Bowdoin 1888-89.—Prof. Romance Lang. Ohio State Univ. Columbus.

William Henry Burnham (F), A. B. Harvard 1882; Instr. 1888-89.— Asst. Prof. Pedagogy, Clark Univ.

Richard Eugene Burton, A. B. Trinity (Conn.) 1883; Lecturer, 1898. —Prof. English Lit. Univ. of Minn. Minneapolis.

John Pendleton Campbell (F), A. B. 1885.—Prof. Biology, Univ. of Ga. Athens.

Herbert Charles Elmer (F), Cornell (A. B. 1883, Asst. Prof. Latin).

Robert Orlando Graham, A. B. Amherst 1877.—Prof. Chem. and Geol. and Dean, Grad. Dept. Illinois Wesleyan, Bloomington.

Erasmus Haworth, S. B. Kansas Univ. 1881; Prof. Oskaloosa 1882-92.— Prof. Geol. Kansas Univ. Lawrence; Supt. Kansas Geol. Survey.

Francis Hobart Herrick, A. B. Dartmouth 1881.—Prof. Biol. Adelbert, Cleveland.

William Herbert Hobbs (F), S. B. Worcester Polytech. 1883; Prof. Univ. of Wis. 1889-1907.—Prof. Geol. Univ. of Mich. Ann Arbor.

Joseph Hoeing Kastle (F), Ky. State Coll. (S. B. 1884, Prof. Chem. 1888-1905).—Chief Chemist, Bureau of Public Health, Wash.

Andrew Cowper Lawson (F), A. B. Toronto 1883.—Prof. Mineral. and Geol. Univ. of Cal. Berkeley.

Felix Lengfeld (F), Prof. S. Dak. School of Mines 1890-91; Instr. Univ. of Cal. 1891-92; Docent, Tutor, Asst. Prof. Chicago 1892-1901.—Chemist, San Francisco.

Archibald Byron Macallum, Toronto (A. B. 1880, M. B. 1889); LL. D. Aberdeen 1906; Sc. D. Yale 1907; F. R. S. (London) 1906.—Prof. Physiol. and Physiol. Chem. Univ. of Toronto.

John Ernst Matzke, A. B. Hope Coll. 1882; Prof. Bowdoin 1889-90, Indiana Univ. 1890-91; Assoc. 1891-93.—Prof. Romanic Lang. Stanford.

*Thomas McCabe (F), A. B. 1886; Instr. Univ. of Mich. 1888-89; Prof. Indiana Univ. 1889-90; Assoc. Romance, Bryn Mawr 1890-91. **February* 22, 1891.

Yujiro Motora (F), Doshisha Kyoto, Japan, 1879.—Prof. Psychol. Univ. of Tokyo.

Julius Nelson (F), S. B. Wis. 1881.— Prof. Biology, Rutgers.

George Thomas White Patrick (F), A. B. Iowa Univ. 1878; B. D. Yale 1885.—Prof. Philos. Iowa Univ.

Edmund Clark Sanford (F), A. B. Cal. 1883; Instr. 1888-89.—Prof. Exper. Psychol. Clark Univ.

Henry Taber, Ph. B. Yale 1882; Asst. 1888-89.—Prof. Math. Clark Univ.

*Amos Griswold Warner (F), Univ. of Neb. (B. L. 1885, Prof. 1889-91); Gen. Sec. Charity Organ. Soc. Balt. 1887-89; Supt. of Charities, D. C. 1891-93; Lecturer 1892-93; Prof. Econ. Stanford 1893-1900. **January* 18, 1900.

John Roaf Wightman (F), A. B. Toronto 1871; Prof. Iowa Coll. 1889-91; Assoc. Prof. Univ. of Neb. 1891-93.—Prof. Romance Lang. Oberlin.

Henry Van Peters Wilson (F), A. B. 1883; Bruce Fellow 1888-89.—Prof. Biol. Univ. of N. C. Chapel Hill.

Thomas Kimber Worthington, A. B. Haverford 1883; LL. B. Univ. of Md. 1900.—Lancaster, Pa.

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1889

Charles McLean Andrews (F), Trinity (A. B. 1884, L. H. D. 1905); Assoc. Assoc. Prof. and Prof. Bryn Mawr 1889-1907.—Prof. History.

Frank Wilson Blackmar (F), Ph. B. Univ. of Pacific 1881.—Prof. Sociol. and Econ. and Dean of Grad School, Kansas Univ. Lawrence.

Jeffrey Richardson Brackett, A. B. Harvard 1883; Pres. Supervisors of Charities, Balt. 1900-04; Lecturer 1897-04.—Assoc. Prof. Theory and Prac. of Philanth. Work, Simmons Coll.; Instr. Harvard; Director, School for Social Workers, Boston.

William Merriam Burton (F), A. B. Adelbert 1886.—Supt. Standard Oil Co., Whiting, Ind.

Morgan Callaway, Jr. (F), A. B. Emory (Ga.) 1881; Prof. Southwestern Univ. 1889-90.—Prof. English, Univ. of Texas, Austin.

Alfred Robert Louis Dohme, A. B. 1886.—Mfg. Chemist, Balt.; Instr. Pharmacy.

*William Curns Lawrence Gorton (F), A. B. 1886; Assoc. Prof. and Prof. Math. Woman's Coll. Balt. 1888-94. **November* 8, 1894.

Joseph Edward Harry (F), A. B. 1886; Prof. Georgetown, Ky. 1889-1900.—Dean, Grad. School, Prof. Greek, Univ. of Cincinnati.

*George Allison Hench (F), A. B. Lafayette 1885; Instr. Asst. Prof. Prof. German, Univ. of Mich. 1890-99. **August* 16, 1899.

Clifton Fremont Hodge (F), A. B. Ripon 1882; Instr. Univ. of Wis. 1891-92.—Asst. Prof. Physiol. Clark.

Cary Talcott Hutchinson (F), Ph. B. Washington Univ. 1886; Acting Assoc. Prof. Electricity, 1898-99.—Consulting Engineer, N. Y.

James Thomas Lees, A. B. Adelbert 1886.—Prof. Greek Hist. and Lit. Univ. of Neb. Lincoln.

Archibald MacMechan (F), A. B. Toronto 1884.—Prof. English, Dalhousie, N. S.

Charles William Moulton, A. B. Univ. of Minn. 1885.—Prof. Chem. Vassar.

Albion Woodbury Small, Colby (A. B. 1876, LL. D. 1900, Pres. 1889-92); Reader 1888-89.—Prof. Sociol. Chicago.

Charles Lee Smith (F), S. B. Wake Forest 1884; Instr. 1889-91; Gen. Sec. Charity Organ. Soc. Balt. 1889-91; Prof. Hist. William Jewell 1891-05; Pres. Mercer Univ. 1905-06.—Raleigh, N. C.

Kirby Flower Smith, A. B. Univ. of Vt. 1884.—Prof. Latin.

Rev. Lemon Leander Uhl, A. B. Wittenberg 1871.—Boston.

*Arthur Clarence Wightman (F), A. B. Wofford 1879; Demonstr. 1889-90; Prof. Md. Agric. 1890-91; Prof. Biol. and Phys. Randolph-Macon 1891-05. **November* 12, 1905.

*William Klapp Williams, A. B. 1886. **June* 4, 1897. (20)

1890

Joseph Sweetman Ames (F), A. B. 1886.—Prof. Physics.

Rev. Edward Carey Applegarth (F), A. B. 1887; M. D. Phys. and Surg. Balt. 1892.—Clergyman, Malden, Mass.

Charles Cotton Blackshear, A. B. Mercer 1881; Instr. Bryn Mawr 1890-91.—Prof. Chem. Woman's Coll. Balt.

Charles Hiram Chapman (F), A. B. 1888, Instr. and Assoc. 1889-92; Pres. Univ. of Oregon 1893-99.—Woodland, Wash.

Rudolf John Julius De Roode, Jr. (F), S. B. Ky. State Coll. 1885.—Supt. Bureau of Tests, Internat. Paper Co., N. Y.

George Peter Dreyer (F), A. B. 1887, Demonstr. Assoc. Assoc. Prof. 1890-1900.—Prof. Physiol. Med. Dept. Univ. of Ill. Chicago.

Edwin Whitfield Fay (F), A. M. Southwest. Presb. 1883; Instr. Mich. 1890-91; Acting Prof. Univ. of Texas 1892-93; Prof. Washington and Lee 1893-99.—Prof. Latin, Univ. of Texas, Austin.

Henry Torsey Fernald, S. B. Maine State Coll. 1885.—Prof. Entomol. Mass. Agric. Coll. Amherst.

Henry Brayton Gardner (F), A. B. Brown 1884.—Prof. Polit. Econ. Brown Univ., Providence.

Charles Jaques Goodwin (F), A. B. Bowdoin 1887; Prof. Cornell Coll. 1890-92; Tutor, Wesleyan 1892-95; Acting Prof. St. Stephen's, N. Y. 1898-99.—Prof. Greek, Lehigh, S. Bethlehem, Pa.

Charles Homer Haskins, A. B. 1887, Instr. 1889-90; Asst. Prof. and Prof. Wisconsin 1890-1902.—Prof. Hist. Harvard.

James Taft Hatfield (F), A. B. Northwestern 1883.—Prof. German, Northwestern Univ. Evanston, Ill.

John Cohn Hemmeter, M. D. Univ. of Md. 1883.—Clin. Prof. Med. Univ of Md.; Physician, Balt.

Charles Holmes Herty, Univ. of Ga. (Ph. B. 1886, Adj. Prof. Chem. 1894-1902).—Prof. Chem, Univ. of N. C. Chapel Hill.

Jesse Herman Holmes, A. B. Univ. of Neb. 1884.—Prof. Hist. of Religion and Philos. Swarthmore.

*Rev. Abel Henry Huizinga (F), A. B. Hope Coll. 1880; Adj. Prof. McCormick Theol. Sem. 1894-96. **September* 11, 1905.

Toyokichi Iyenaga, Ph. B. Oberlin 1887; late Prof. Polit. Sci. Semmo Gakko, Tokyo. — Univ. Extension Lecturer, Univ. of Chicago.

Thomas Logie (F), A. B. Toronto 1887; Asst. Prof. Williams 1890-93; Assoc. Prof. Rutgers 1893-98. —Prof. Romance Lang. Univ. of Cape Town, Africa.

Hiram Benjamin Loomis (F), A. B. Trinity (Conn.) 1885; Instr. Univ. of Wis. 1890-93; Asst. Prof. Northwestern 1893-96, and Instr. in the Academy 1896-97; late Science Instr. Medill High School Chicago. —Western Springs, Ill.

Herbert William Magoun (F), A. B. Iowa 1879; Acting Prof. Colo. Coll, 1890-91, Oberlin 1892-95; late Prof. Latin, Redfield Coll. — Cambridge, Mass.

John Hanson Thomas McPherson (F), A. B. 1886; Instr. Univ. of Mich. 1890-91.—Prof. Hist. Univ. of Ga. Athens.

Wilmot Vernon Metcalf, A. B. Oberlin 1883; Prof. Chem. and Phys. Carleton Coll. 1890-03.—West Williamsfield, Ohio.

Thomas Hunt Morgan (F), S. B. Ky. State Coll. 1886; Bruce Fellow 1890-91; Prof. Bryn Mawr 1891-04.—Prof. Exper. Zoology, Columbia.

Augustus Taber Murray (F), A. B. Haverford 1885; Prof. Earlham 1888-91, Colorado Coll. 1891-92.— Prof. Greek, Stanford.

Wyatt William Randall, A. B. St. John's 1884; Asst. and Assoc. 1890-98.—Head Master, Mackenzie School, Dobbs Ferry, N. Y.

*George Mann Richardson (F), Lehigh (A. C. 1886, Instr. 1890-91); Assoc. Prof. and Prof. Organ. Chem. Stanford 1891-1902. **July* 26, 1902.

Joseph Samuel Shefloe (F), A. B. Luther 1885. — Prof. Romance Lang. and Librarian, Woman's Coll. Balt.

Robert Benson Steele (F), A. B. Wis. 1883; Prof. St. Olaf 1890-91, Illinois Wesleyan 1891-1901. — Adj. Prof. Latin, Vanderbilt, Nashville.

Andrew Stephenson, A. B. Ind. Asbury 1882; Assoc. Prof, Wesleyan 1890-94.—Prof. History, De Pauw, Greencastle, Ind.

Frederick Jackson Turner, A. B. Wis. 1884; Lecturer, Harvard, 1903-04.—Prof. Amer. Hist. Univ. of Wis.

John Martin Vincent, A. B. Oberlin 1883.—Prof. European History.

Shozaburo Watase (F), S. B. Sapporo Agric. 1884; Bruce Fellow 1889-90; Lecturer and Asst. Clark 1890-92; Reader and Asst. Prof. Chicago 1892-99. — Prof. Zoology, Univ. of Tokyo.

James Albert Woodburn (F), A. B. Indiana 1876.—Prof. Amer. Hist. Indiana Univ. Bloomington.

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1891

Alfred Bagby, Jr., A. B. Richmond 1885; Adj. Prof. Greek, S. C. Univ. 1891-93.—Atty.-at-Law, Balt.

James William Black, A. B. 1888; Acting Prof. Georgetown, Ky. 1891-92; Assoc. Prof. Oberlin 1892-94.— Prof. Hist. Colby, Waterville, Me.

Charles Pliny Brigham, A. B. 1888. —Greenport, N. Y.

Charles Edward Coates, Jr., A. B. 1887; Prof. St. John's 1891-93.— Prof. Chem. La. State Univ. Baton Rouge.

Edwin Grant Conklin (F), Ohio Wesleyan (S. B. 1885, Prof. 1891-94); Prof. Northwestern 1894-95. —Prof. Zool. Univ. of Pa.

Paul Joseph Dashiell, A. B. 1887; Instr. Lehigh 1889-90, 1891-92.— Prof. Math. U. S. Navy; Instr. Chem. U. S. Naval Acad.

Herman Louis Ebeling (F), A. B. 1882; Prof. Miami 1891-99; Instr. and Acting Prof. Haverford 1901-03.—Asst. Prof. Greek, Hamilton, Clinton, N. Y.

William Snyder Eichelberger (F), A. B. 1886; Instr. Wesleyan 1891-96.—Prof. Math. U. S. Navy, Wash.

Thomas Perrin Harrison (F), S. C. Mil. Acad. 1886; Assoc. Prof. Clemson 1891-95.—Prof. English, Davidson, N. C.

Walter Jones, A. B. 1888; Acting Prof. Wittenberg 1891-92; Instr. and Prof. Purdue 1892-95.—Assoc. Prof. Physiol. Chem.

Henry Parker Manning (F), A. B. Brown 1883.—Assoc. Prof. Math. Brown Univ. Providence.

George Frederick Metzler, A. B. Albert Coll. 1889; Instr. Univ. of Mich. 1892-93, Queen's Univ. Ont. 1895-96.

William McCracken Milroy, A. B. Geneva 1887.—Prof. Latin, Geneva Coll. Beaver Falls, Pa.

John Leverett Moore (F), Princeton (A. B. 1881, Tutor 1882-85); Instr. 1888-89.—Prof. Greek and Latin, Vassar.

Wilfred Pirt Mustard (F), A. B. Toronto 1886; Prof. Colorado Coll. 1891-93, Haverford 1893-1907.— Collegiate Prof. Latin.

Barker Newhall (F), A. B. Haverford 1887; Instr. Brown 1892-93, Bates Coll. 1895-96.—Prof. Greek, Kenyon Coll. Gambier, Ohio.

George Petrie, A. M. Univ. of Va. 1887.—Prof. Hist. Ala. Polytech. Auburn.

Edward Bennett Rosa (F), Wesleyan (S. B. 1886, Prof. 1891-1903).—Chief Physicist, Bureau of Standards, Washington; Prof. George Washington Univ.

Edward Alsworth Ross, A. B. Coe Coll. 1886; Prof. Indiana Univ. 1891-92; Assoc. Prof. Cornell 1892-93; Prof. Stanford 1893-1900, Univ. of Neb. 1901-05. — Prof. Sociol. Univ. of Wis.

Charles Edward Saunders (F), A. B. Toronto 1888; Prof. Central Univ. Ky. 1891-93.—Ottawa, Canada.

*Sidney Sherwood, A. B. Princeton 1879; Instr. Univ. of Pa. 1891-92; Assoc. and Assoc. Prof. Polit. Econ. 1892-1901. **August* 5, 1901.

Moses Stephen Slaughter (F), A. B. Ind. Asbury 1883; Instr. Bryn Mawr 1887-88; Prof. Iowa Coll. 1889-96.—Prof. Latin. Univ. of Wis.

Bernard Christian Steiner (F), A. B. Yale 1888; LL. B. Univ. of Md. 1894; Instr. Williams 1891-92; Prof. Balt. Univ. School of Law 1897-1900; Dean and Prof. Balt. Law School 1900-04.—Librarian, Pratt Library; Assoc. History.

William Howe Tolman, A. B. Brown 1882.—Director, American Inst. of Social Service, N. Y.

Stephen Beauregard Weeks, A. B. N. C. Univ. 1886; LL. D. Wake Forest 1902; Prof. Trinity (N. C.) 1891-93. — Supt. Indian School Service, San Carlos, Ariz.

John White, Jr. (F), A. B. 1888; Asst. Cornell 1891-93; Prof. Univ. of Neb. 1893-1903.—Prof. Chem. Rose Polytech., Terre Haute.

Westel Woodbury Willoughby (F), A. B. 1888; Acting Asst. Prof. Stanford 1894-95. — Prof. Polit. Science.

Arthur Burnham Woodford, Ph. B. Yale 1881; Indiana Univ. (A. M. 1886, Prof. 1885-89); Instr. Univ. of Pa. 1891-92; Prof. Sch. of Soc. Econ. N. Y. 1892-96; Lecturer, New York Univ. 1895-98.—Instr. Hopkins Gram. Sch. New Haven.

(28)

1892

Eugene Thomas Allen, A. B. Amherst 1887; Acting Prof. Univ. of Colo. 1892-93; Asst. Harvard 1894-95; Prof. Chem. Mo. School of Mines 1895-01. — U. S. Geol. Survey, Wash.

William Wilson Baden (F), A. B. 1881; LL. B. Univ. of Md. 1883; Prof. Southwestern Univ. 1892-93, Central (Ky.) 1893-96. — Prof. Greek and Latin, Idaho Univ. Moscow.

Robert Payne Bigelow (F), S. B. Harvard 1887; Bruce Fellow 1891-93.—Instr. Biology and Librarian, Mass. Inst. Tech.

Edwin Winfield Bowen, A. B. Rand.-Macon 1887; Asst. Prof. Univ. of Mo. 1892-93.—Prof. Latin, Randolph-Macon, Ashland, Va.

Immanuel Moses Casanowicz.—Aid, Div. of Historic Archæol. U. S. National Museum, Washington.

Starr Willard Cutting, A. B. Williams 1887.—Prof. German Lit. Chicago.

Rev. William Levering Devries (F), A. B. 1888; S. T. B. Gen. Theol. Sem. N. Y. 1894. — Clergyman, Washington.

Albert Bernhardt Faust (F), A. B. 1889, Instr. 1894-96; Assoc. Prof. Wesleyan 1896-1903; Asst. Prof. Univ. of Wis. 1903-04.—Asst. Prof. German, Cornell.

George Wilton Field, Brown Univ. (A. B. 1887, Assoc. Prof. 1893-96); Prof. R. I. Agric. Coll. 1896-1901; Lecturer, Mass. Inst. Tech. 1891-04. — Zoologist, Mass. Board of Fisheries, Boston.

Joseph Elliott Gilpin, A. B. 1889.—Assoc. Chemistry.

John Leslie Hall (F).—Prof. English and Hist. William and Mary Coll. Va.

William Asbury Harris (F), A. M. Richmond 1886; Acting Prof. Ripon 1892-93; Prof. Baylor 1893-1901. — Prof. Greek, Richmond Coll. Va.

Frederick Clemson Howe, A. B. Allegheny 1889. — Atty.-at-Law, Cleveland; Prof. Baldwin Univ. Ohio.

William Isaac Hull, A. B. 1889.—Prof. Hist, Swarthmore, Pa.

Harry Clary Jones (F), A. B. 1889. —Prof. Physical Chem.

James Lawrence Kellogg (F), Olivet (S. B. 1888, Prof. 1892-99).—Prof. Biol. Williams Coll.

Charles Rollin Keyes (F), S. B. Iowa Univ. 1887; Prest. N. Mex. Sch. of Mines 1902-06. — Mining Engineer, Des Moines, Iowa.

Elmer Peter Kohler (F), A. B. Muhlenberg 1886.—Prof. Chem. Bryn Mawr.

*Paul Erasmus Lauer (F), A. B. Adelbert 1885; Asst. Supt. of Schools, Cleveland, 1892-93. **February* 20, 1893.

Edwin Seelye Lewis (F), A. B. Wabash 1888; Inst. Asst. Prof. and Prof. Romance Lang. Princeton, 1892-07.—Atty. at Law, N. Y.

David Judson Lingle (F), S. B. Chicago 1885.—Asst. Prof. Physiol. Chicago.

Alvin Frank Linn (F), A. B. Wittenberg 1884.—Prof. Chem. and Mineral. Wittenberg, Springfield, O.

James Alexander Lyman, A. B. Beloit 1888; Docent, Chicago 1892-93.—Inst. Chem. Portland Academy, Oregon.

John Hanson Thomas Main (F), A. B. Moore's Hill 1880; Iowa Coll. Grinnell (Acting Pres. 1900-02, Prof. Greek and Dean 1892-05, now Pres.).

Frank Jewett Mather, Jr. (F), Williams (A. B. 1889, Instr. 1892-1900).—Asst. Ed. *Evening Post*, N. Y.

Michael Andrew Mikkelsen (F), A. B. Luther 1886.—Asst. Ed. *Sun*, N. Y.

Robert Milton Parks, Jr., A. B. Indiana 1879; Prof. Furman 1892-93, Central (Ky.) 1893-1900.—Prof. Chem. Manual Train. School, Louisville.

Charles Lane Poor (F), S. B. N. Y. City Coll. 1886; Instr. Assoc. Assoc. Prof. 1891-99.—Prof. Astron. Columbia.

John Dyneley Prince (F), A. B. Columbia 1888; Prof. N. Y. Univ. 1892-02.—Prof. Semitic Lang. Columbia.

John Cunningham Robertson (F), A. M. Univ. of Va. 1885.—Prof. Greek, St. Stephen's, Annandale, N. Y.

*Charles Hunter Ross (F), S. B. Ala. Agric. 1886; Prof. Mod. Lang. Southwestern Univ. 1890-91, Ala. Polytech. 1892-1900. **February* 23, 1900.

Harry Luman Russell, S. B. Wis. 1888.—Prof. Bacteriol. and Dean, Coll. of Agric. Univ. of Wis.

William Amasa Scott, A. B. Rochester 1886.—Prof. Economic Hist. and Theory, and Director, Course in Commerce, Univ. of Wis. Madison.

Wm. Bush Shober, A. B. St. John's 1885.—Acting Prof. Chem. Lehigh.

Martin Bell Stubbs, A. B. Haverford 1888; Instr. Chem. Ursinus 1900-01.—U. S. Weather Bureau, New Orleans.

Harry Maas Ullmann, A. B. 1889; Hon. Fellow, Chicago 1892-93.—Asst. Prof. Anal. and Indus. Chem. Lehigh.

Bert John Vos (F), A. B. Mich. 1888; Instr. Chicago 1892-93; Assoc. and Asoc. Prof. 1893-1908.—Prof. German, Indiana Univ. Bloomington. (37)

1893

Henry Harold Ballard, A. B. 1888; Instr. Rose Polytech. 1893-96.—Princ. High School, Northport, N. Y.

Florence Bascom, S. B. Wis. 1884; Instr. Ohio State Univ. 1893-95.—Prof. Geol. Bryn Mawr.

Jasper Luther Beeson, A. B. Univ. of Ala. 1889.—Prof. Chem. and Phys. Ga. Normal and Industrial Coll. Milledgeville.

Alexander Mitchell Carroll (F), Richmond (A. M. 1888, Prof. 1895-97); Reader 1898-99.—Prof. Class. Philol. George Washington Univ.

*Andrew Fuller Craven, LL. B. Chicago 1880; A. B. Harvard 1889; Prof. Politics and Econ. Columbian 1893-04. **March* 2, 1904.

John Bascom Crenshaw, A. M. Rand.-Macon 1881; Instr. 1893-99; Instr. Balt. City Coll. 1903-04.—Prof. German and French, Ga. Sch. of Tech. Atlanta.

Ulysses Sherman Grant (F), S. B. Univ. of Minn. 1888.—Prof. Geol. Northwestern Univ. Ill

David I. Green, A. B. Alfred Univ. 1885.—Supt. Organ. Charities, Hartford, Conn.

William Richard Grey, A. B. Davidson 1884.—Prof. Latin and French, Davidson, N. C.

George Henry Haynes, A. B. Amherst 1887.—Prof. Hist. and Polit. Sci. Worcester Polytech. Mass.

Charles Downer Hazen, A. B. Dartmouth, 1889.—Prof. Hist. Smith Coll. Northampton, Mass.

Frank Irving Herriott, Iowa Coll. (A. B. 1890, late Prof. Economics).—Des Moines, Iowa.

David Hull Holmes (F), A. B. Iowa Wesleyan 1885; Acting Prof. Allegheny 1893-94; Prof. Univ. of Kansas 1896-97.—Class. Instr. High School, Brooklyn, N. Y.

Arthur John Hopkins (F), A. B. Amherst 1885; Prof. Westminster (Pa.) 1893-94.—Prof. Chem. Amherst.

Theodore Hough (F), A. B. 1886; Instr. and Asst. Prof. Mass. Inst. Tech. 1893-1903; Assoc. Prof. Simmons Coll. 1903-07.—Prof. Physiol. Univ. of Va.

James Alton James (F), B. L. Wis. 1888; Prof. Cornell Coll. 1893-96; Shaw Lecturer, 1904-05.—Prof. European Hist. Northwestern Univ.

Henry Read McIlwaine, A. B. Hampden-Sidney 1884; late Prof. English and Hist. Hampden-Sidney.—State Library, Richmond, Va.

*Louis Emil Menger (F), A. B. Miss. Coll. 1888; Instr. and Assoc. 1893-97; Assoc. Prof. and Prof. Romance Philol. Bryn Mawr 1897-1903. **August* 5, 1903.

Colyer Meriwether, A. B. 1886.—Instr. English, etc. Washington High Sch.

*Lucius Salisbury Merriam (F), S. B. Vanderbilt 1889; Instr. Pol. Econ. Cornell 1893. **November* 18, 1893.

Maynard Mayo Metcalf (F), A. B. Oberlin 1889; Bruce Fellow 1893; Prof. Woman's Coll. Balt. 1893-06.—Prof. Zool. Oberlin.

Daniel Alexander Murray (F), A. B. Dalhousie 1884; Assoc. Prof. N. Y. Univ. 1890-94; Instr. Cornell 1894-1901.—Prof. Math. Dalhousie, Halifax, N. S.

William Peters Reeves, A. B. 1889; Asst. Union 1895-97; Prof. Iowa Univ. 1897-1900.—Prof. English, Kenyon, Gambier, Ohio.

Charles Alphonso Smith, A. B. Davidson 1884; Prof. La. Univ. 1893-02.—Prof. English, and Dean, Grad. School, Univ. of N. C. Chapel Hill.

George Owen Squier (F), U. S. Mil. Acad. 1887.—Major, U. S. Signal Corps, Washington.

John Nesbit Swan, A. B. Westminster (Pa.) 1886.—Prof. Chem. Monmouth Coll. Ill.

Frederick Tupper, Jr. (F), A. B. Charleston 1890; Prof. Wells Coll. 1893-94.—Prof. Rhetoric and English Lit. Univ. of Vt. Burlington.

Frank Alfred Wolff, Jr. (F), A. B. 1890.—Prof. Elec. Eng. George Washington Univ.; Physicist, Bureau of Standards, Wash. (28)

1894

James Nesbit Anderson, A. M. Univ. of Va. 1887; Prof. Univ. of Oklahoma, 1894-96.—Prof. Latin, Univ. of Fla. Gainesville.

John Spencer Bassett (F), Trinity, N. C. (A. B. 1888, Prof. 1894-1906).—Prof. Hist. Smith Coll. Northampton, Mass.

William Julian Albert Bliss, A. B. Harvard 1888; Instr. Woman's Coll. Balt. 1894-95.—Collegiate Prof. Physics.

James Douglas Bruce, A. M. Univ. of Va. 1883; Prof. Centre Coll. (Ky.) 1890-91; Assoc. Prof. Bryn Mawr 1891-1900.—Prof. English, Univ. of Tenn. Knoxville.

James Dowden Bruner, A. B. Franklin Coll. 1888; Prof. Univ. of Ill. 1893-95; Asst. Prof. Chicago 1895-98.—Prof. Romance Lang. Univ. of N. C. Chapel Hill.

John Emery Bucher, A. C. Lehigh 1891; Instr. Tufts 1894-97; Assoc. Prof. R. I. Agric. Coll. 1897-1900.—Assoc. Prof. Organ. Chem. Brown Univ. Providence.

Frank Kenneth Cameron, A. B. 1891; Fellow and Asst. Cornell, 1894-95, 1897-98; Asst. Prof. Catholic Univ. 1895-97.—Scientist, Bureau of Soils, Agric. Dept. Washington.

William Embert Chamberlin, A. B. Oberlin 1887; Instr. Wabash Coll. 1894-95.—Analyt. Chemist, N. Y.

Abraham Cohen (F), A. B. 1891.—Assoc. Mathematics.

Louis Leaming Forman, A. M. Univ. of Pa. 1890.—Instr. Greek, Cornell.

Edward Curtis Franklin, Univ. of Kan. (S. B. 1888, Assoc. Prof. and Prof. 1894-03).—Assoc. Prof. Organ. Chem. Stanford.

Joseph Hendren Gorrell, A. B. Washington and Lee 1888.—Prof. Modern Lang. Wake Forest Coll. N. C.

George Perry Grimsley, A. B. Ohio State Univ. 1890; Prof. Geol. Washburn Coll. 1894-04.—Lecturer, Econom. Geology, W. Va. Univ.; Asst. State Geologist, Morgantown, W. Va.

Ross Granville Harrison (F), A. B. 1889, Bruce Fellow, 1894, Instr. Assoc. Assoc. Prof. 1896-1907; M. D. Bonn 1899; Lecturer Bryn Mawr 1894-95.—Prof. Compar. Anatomy, Yale.

*Robert Nelson Hartman, A. B. Pa. Coll. 1891; Instr. Tufts Coll. 1896-99; Prof. Chem. Colo. Sch. of Mines 1899-1903. **May* 8, 1903.

Jacob H. Hollander (F), A. B. 1891.—Prof. Polit. Economy.

Lorrain Sherman Hulburt, A. B. Wis. 1883; Prof. Univ. of S. Dak. 1887-91; Fellow, Clark 1891-92.—Collegiate Prof. Mathematics.

Masanobu Ishizaka, Ph. B. Albion 1891.—Lecturer, Hist. and Econ. Aoyama-Gaku-In, Tokyo.

Thomas Atkinson Jenkins, A. B. Swarthmore 1887; Prof. Vanderbilt 1895-1900, Swarthmore 1900-01.—Assoc. Prof. French, Chicago.

Christopher Johnston (F), Univ. of Va. (B. Litt. 1876, A. B. 1878, A. M. 1879); M. D. Univ. of Md. 1880.—Prof. Oriental Hist. and Archæol.

Emory Bair Lease (F), A. B. Ohio Wesleyan 1885; Prof. Allegheny 1894-96; Asst. Prof. Mich. 1896-99; Instr. Wesleyan (Conn.) 1899-1901.—Instr. Latin, N. Y. City Coll.

Arthur Stanley Mackenzie (F), A. B. Dalhousie 1885; Prof. Bryn Mawr 1894-05.—Prof. Physics, Dalhousie, N. S.

*Edward Payson Manning (F), A. B. Brown 1889; Instr. Math. St. Lawrence Univ. 1894-95. **February* 15, 1897.

Charles Carroll Marden, A. B. 1889; Instr. Mich. 1890-91.—Prof. Spanish.

Edward Bennett Mathews (F), A. B. Colby 1891.—Prof. Mineralogy and Petrography.

Philip Randle Moale, A. B. 1889.—Chemist, Asheville, N. C.

Constance Pessels, Univ. of Texas (B. L. 1886, late Instr. in English).—Instr. High School, San Antonio.

Jesse Siddall Reeves, S. B. Amherst 1891; Shaw Lecturer 1905-06.—Asst. Prof. Polit. Sci. Dartmouth.

Arthur Percy Saunders (F), A. B. Toronto 1890; Instr. Wis. 1894-96; Asst. McGill 1898-99, Cornell 1899-1900.—Prof. Chem. Hamilton Coll. Clinton, N. Y.

Robert Lincoln Slagle, A. B. Lafayette 1887; Prof. and Pres. S. Dak. Sch. of Mines, 1897-05.—Pres. S. Dak. Agric. Coll. Brookings.

Rev. Daniel Gurden Stevens, Jr. (F), A. B. 1891; B. D. Crozer Theol. Sem. 1897.—Clergyman, Bryn Mawr, Pa.

Frederick Henry Sykes (F), A. B. Toronto 1885; Prof. Western Univ. (Ont.) 1895-97; Lecturer 1900-02. —Director, Extension Teaching, and Prof. Teachers Coll. Columbia.

*Milo Scott Walker, Ph. D. Wooster 1899. **December* 30, 1903.

George Francis Weida (F), Prof. Blackburn 1894-96, Baker 1896-97. Kansas Agric. 1897-1903, Ripon 1903-06.—Prof. Chem. Kenyon, Gambier, Ohio. (34)

1895

Rufus Mather Bagg, A. B. Amherst 1891; Asst. 1895-97; Acting Prof. Colo. Coll. 1898-99; late Prof. N. Mex. School of Mines.—Instr. Geol. Univ. of Ill. Urbana.

Thomas Stockham Baker (F), A. B. 1891, Asst. Instr. Assoc. Lecturer, 1895-1908. — Prof. Mod. Lang. Tome Inst. Port Deposit, Md.

James Curtis Ballagh, A. B. 1894; LL. D. Univ. of Ala. 1906.—Assoc. Prof. American History.

Daniel Base, A. B. 1891.—Assoc. Prof. Chem. Md. Coll. of Pharmacy and Coll. of P. and S. Balt.

Henry Marvin Belden, A. B. Trinity (Conn.) 1888.—Assoc. Prof. English, Univ. of Missouri.

Arthur Fisher Bentley (F), A. B. 1892.—Chicago.

Samuel Walker Beyer (F), S. B. Iowa Agric. 1889.—Assoc. Prof. Geol. Iowa Agric. Coll. Ames.

*William Bromwell, A. B. 1888; Instr. Chem. Pratt Inst. Brooklyn, 1896-98. **September* 30, 1898.

Clarence Griffin Child (F), A. B. Trinity (Conn.) 1886.—Prof. English and Dean, Faculty of Philos. Univ. of Pa.

Fonger DeHaan (F), Asst. Instr. Assoc. 1894-97.—Prof. Spanish, Bryn Mawr.

Charles Sumner Estes, A. B. Colby 1884; Prof. Furman 1896-98.—Instr. Latin, High School, Brooklyn.

Henry Fay, A. B. Lafayette 1889.—Prof. Anal. Chem. Mass. Inst. Tech.

Henry Stewart Gane (F), A. B. Amherst 1891.—U. S. Geol. Survey, Washington.

George William Gray, A. B. 1890.—Chemist, Standard Oil Co. Whiting, Ind.

John Joseph Griffin, A. B. Ottawa Univ. 1881.—Prof. Chem. Catholic Univ. D. C.

William August Haussmann (F), A. B. 1892.—Instr. German, Central High Sch. Phila.

John Haynes, A. B. Williams 1888; Prof. Hist. Norwich Free Acad. 1895-99.—Junior Master, High School, Dorchester, Mass.

Samuel Rivers Hendren, A. B. Wash. and Lee, 1892.—Staunton, Va.

Howard Haynes Higbee, A. B. Yale 1884; Instr. Tufts 1895-96; Prof. Hamilton 1896-1900.—Prof. Chem. and Phys. Antioch Coll. Yellow Springs, O.

Rockwell Dennis Hunt, Ph. B. Napa Coll. 1890; Prof. Hist. Univ. of the Pacific 1895-1901. — Princ. High School, San Jose, Cal.

Joseph Rufus Hunter, A. B. Wake Forest 1885; Prof. Chem. Richmond Coll. 1895-05.—Raleigh, N. C.

George Wesley Johnston (F), A. B. Toronto 1886; Acting Asst. Prof. Cornell 1895-96.—Lecturer, Latin, Univ. of Toronto.

Thomas Franklin Kane (F), A. B. De Pauw 1888; Prof. Olivet 1895-1900.—Prest. and Prof. Latin, Univ. of Wash. Seattle.

William Jay Karslake, S. B. Lafayette 1891; Instr. Dalhousie 1895-96; Prof. Butler Coll. 1896-06.—Asst. Prof. Chem. Iowa Univ. Iowa City.

George Charles Keidel (F), A. B. 1889.—Assoc. Romance Lang.

William Hamilton Kirk (F), A. B. 1893; Instr. Vanderbilt 1895-1900. —Prof. Latin, Rutgers, New Brunswick, N. J.

John Holladay Latane, A. B. 1892, Shaw Lecturer 1898-99; Prof. Randolph-Macon Woman's Coll. 1898-02.—Prof. Hist. Wash. and Lee, Lexington, Va.

Exum Percival Lewis, S. B. Columbian 1888.—Assoc. Prof. Physics, Univ. of Cal.

William Henry Maltbie (F), A. B. Ohio Wesleyan 1890.—Prof. Math. and Registrar, Woman's Coll. Balt.

Solomon Reid McKee, A. B. Davidson 1888; Prof. Ogden Coll. 1895-99; late Prof. Chem. Southwestern Presb.—Asheville, N. C.

Thomas Francis Moran (F), A. B. Mich. 1887.—Prof. Hist. etc. Purdue Univ. Lafayette, Ind.

Louis Trenchard More (F), Ph. B. Wash. Univ. 1892; Instr. Worcester Polytech. 1895-96; Adj. Prof. Univ. of Neb. 1896-1900.—Prof. Physics, Univ. of Cincinnati.

Anthony Moultrie Muckenfuss, A. B. Wofford 1889; Prof. Millsaps Coll. 1893-02, Univ. of Ark. 1902-05.—Prof. Chem. Univ. of Miss.

Lyman Churchill Newell, Ph. B. Brown 1890.—Prof. Chem. Boston Univ. Boston.

James Flack Norris (F), A. B. 1892; Instr. and Asst. Prof. Mass. Inst. Tech. 1895-04.—Prof. Chem. Simmons Coll. Boston.

Edwin Fitch Northrup (F), A. B. Amherst 1891; Assoc. Prof. Physics, Univ. of Texas, 1896-97.—Philadelphia.

Robert Somerville Radford, Univ. of Va. (B. Ph. 1889, Ph. D. 1891, A. M. 1892); Prof. Washburn 1897-98; Assoc. Bryn Mawr 1899-01.—Prof. Latin, Elmira Coll. N. Y.

Rene de Saussure. Ecole Polytech. Paris; Prof. Math. Catholic Univ. 1893-99.—Switzerland.

Thomas Edward Shields, A. M. St. Mary's Sem. (Balt.) 1892; Instr. St. Paul's Sem. Minn. 1895-1902. —Asst. Prof. Physiol. Psychol. Catholic Univ. D. C.

John Archer Silver, A. B. Princeton 1886.—Prof. Hist. Hobart, Geneva, N. Y.

*Alfred William Stratton (F), A.B. Toronto 1887; Asst. and Assoc. Chicago, 1895-99; Registrar, Univ. of the Punjab, and Prof. Sanskrit, Oriental Coll. Lahore, 1899-02. **August* 23, 1902.

William Stuart Symington, Jr. A. B. 1891; Instr. and Assoc. Prof. Stanford 1893-95; Prof. Romance Lang. Amherst, 1895-1903.—Atty. at Law, Balt.

Masayoshi Takaki, S. B. Syracuse 1891; late Lecturer, Sociol. Univ. of Tokyo.—Manager, Dai Ishi Ginko, Seoul, Korea.

Robert Richardson Tatnall, S. B. Haverford 1890; Instr. Univ. of Pa. 1895-01.—Asst. Prof. of Physics, Northwestern Univ. Evanston, Ill.

Thaddeus Peter Thomas, B. P. Univ. of Tenn. 1885.—Prof. Hist. Woman's Coll. Balt.

James Waddell Tupper, A. B. Dalhousie 1891; Prof. Western Univ. Ont. 1897-1900; Assoc. Bryn Mawr 1900-02; Instr. English. Harvard, 1902-04.—Asst. Prof. English Lit. Lafayette, Easton, Pa.

William Achenbach Wetzel, A. B. Lafayette 1891.—Princ. High School, Trenton, N. J. (47)

1896

Benjamin William Arnold, Jr. A. B. Rand.-Macon 1891; Acting Prof. Emory 1899-1900; Prof. Normal School, Farmville, Va. 1900-02.—Prof. Hist. and Sociol. Rand.-Macon Woman's Coll. Lynchburg, Va.

George Melville Bolling (F), A. B. Loyola 1891.—Assoc. Prof. Greek and Compar. Philol. Catholic Univ.

Ferdinand Bonnotte.—Prof. Modern Lang. Western Md. Coll. Westminster.

Alfred Cookman Bryan, A. B. 1892; Instr. Wash. High School, 1896-1902, Polytech. Prep. Sch. Brooklyn, 1902-05.—Instr. Hist. N. Y. School of Commerce.

Arthur Douglas Chambers (F), A. B. Toronto 1892.—Chemist, Ashburn, Mo.

Julian Alvin Carroll Chandler, A. B. Wm. and Mary 1891; Instr. Woman's Coll. (Richmond) and Prof. Hist. and English, Richmond Coll. 1896-04.—Editor, Richmond, Va.

James Wilkinson Chapman, Jr. A. B. Washington (Md.) 1892; LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.

Henry Scofield Cooley, S. B. New York Univ. 1891.—Instr. Hist. High School, Paterson, N. J.

Henry Rushton Fairclough (F), Toronto (A. B. 1883, Lecturer 1887-93).—Prof. Latin, Stanford.

Edson Fessenden Gallaudet, Yale (A. B. 1893, Instr. Physics 1897-1900).—Engineer, Dayton, O.

William Francis Galloway (F), A. B. 1891.—Princ. Chatham Acad. Savannah, Ga.

Frederick Stearns Hollis, S. B. Mass. Inst. Tech. 1890; Instr. Yale 1900-05.—Instr. General and Med. Chem. Tufts Coll.

Reid Hunt (F), A. B. 1891, Assoc. and Assoc. Prof. 1898-03; M. D., P. and S. (Balt.) 1896; Tutor, Columbia 1896-98.—Pharmacologist, Bureau of Public Health, Wash.

Charles William Leverett Johnson (F), A. B. 1891; Instr. Yale 1897-1900, Princeton 1900-03. — Baltimore.

Oliver Martin Johnston (F), A. B. Miss. Coll. 1890; Lecturer, Bryn Mawr 1896-97.—Asst. Prof. Romanic Lang. Stanford.

Frederick Robertson Jones, Western Md. (A. B. 1892. Instr. 1896-97); Instr. and Asst. Prof. Union 1897-02; late Assoc. Economics, Bryn Mawr.—New York.

James Pinckney Kinard, S. C. Mil. Acad. 1886.—Prof. English, Winthrop Coll. Rock Hill, S. C.

Henry McElderry Knower (F), A. B. 1890, Bruce Fellow 1895-96; Instr. Williams 1896-97.—Instr. Anatomy; Sec. and Co-Editor *Amer. Jour. of Anatomy.*

Gordon Jennings Laing (F), A. B. Toronto 1891; Fellow, Amer. Sch. of Class. Studies, Rome 1896-97; Reader and Lecturer, Bryn Mawr 1897-99.—Asst. Prof. Latin, Chicago.

George Lefevre (F), A. B. 1891, Bruce Fellow 1895-97, Asst. 1897-98.—Prof. Zool. Univ. of Mo. Columbia.

Ebenezer Mackay (F), A. B. Dalhousie 1886.—Prof. Chem. and Mineral. Dalhousie, Halifax, N. S.

Raphael Monroe McKenzie, S. B. New York Univ. 1890; Instr. Univ. of Cincinnati, 1898-99; late Instr. Chem. Stevens Inst. of Tech. Hoboken, N. J.

Henry Ludwell Moore (F), A. B. Rand.-Macon 1892; Instr. 1896-97; Prof. Smith Coll. 1897-1902.—Prof. Pol. Econ. Columbia.

Franklin Lafayette Riley (F), A. B. Miss Coll. 1889; Pres. Hillman Coll. 1896-97.—Prof. Hist. Univ. of Miss.

Brantz Mayer Roszel (F), A. B. 1889; Instr. Wash. High School 1896-1903; Head Master. Sewanee Gram. School 1903-08.—Princ. Shenandoah Valley Acad. Winchester, Va.

Herbert Armistead Sayre, B. E. Univ. of Ala. 1893; Prof. Ursinus Coll. 1896-98.—Prof. Physics, Univ. of Ala.

Frederick George Gottlob Schmidt (F), Acting Prof. Cornell Coll. 1896-97.—Prof. Mod. Lang. Univ. of Oregon, Eugene.

Thomas Stanley Simonds, A. B. Harvard 1884; Prof. Hobart 1897-99. Trinity (Conn.) 1899-1901; Instr. Univ. of Cal. 1901-02.—New York.

George Otis Smith (F), A. B. Colby 1893.—Director, U. S. Geol. Survey, Washington.

Michael Druck Sohon, Lehigh (A. C. 1890, M. S. 1894, Instr. 1896-97); late Instr. Chem. High School, N. Y.

Francis Edgar Sparks, A. B. 1893.—Atty. at Law, Balt.

*Frederic William Speirs, S. B. Worcester Polytech. 1888; Prof. Drexel Inst. 1893-98; Prof. Manual Train. School, Phila. 1898-01; Lecturer, Swarthmore 1903-04. **May* 17, 1905.

Arthur Coe Spencer, S. B. Case School 1892.—U. S. Geol. Survey, Wash.

Thomas Hardy Taliaferro (F), C. E. Va. Mil. Inst. 1890; Instr. Math. Pa. State Coll. 1896-1901; Pres. Univ. of Fla. 1901-04.—Acting Prof. Physics, Md. Agric. Coll. College Park.

John Thorne. A. B. Denison 1885.

Harry Langford Wilson (F), Queen's, Ont. (A. B. 1887, LL. D. 1903); Prof. Latin, Amer. Sch. of Class. Studies, Rome, 1906-07.—Prof. Roman Archæology. (36)

1897

Gellert Alleman, S. B. Pa. Coll. 1893; Instr. Univ. of Me. 1897-98, Washington Univ. 1898-02.—Prof. Chem. Swarthmore.

Edward Cooke Armstrong (F), A. B. Rand.-Macon, 1890.—Assoc. Prof. French.

Byron Briggs Brackett, A. B. Syracuse 1890; Proficient in Elec. 1895; Instr. Union 1897-98, Wash. High School 1898-1900, Rutgers 1900-03.—Prof. Physics, etc. Clarkson School of Tech. Potsdam, N. Y.

James Morton Callahan (F), A. B. Indiana 1894; Acting Prof. Hamilton 1897-98; Lecturer, 1898-1901.—Prof. Hist. and Pol. Sci. West Va. Univ. Morgantown.

Hubert Lyman Clark (F), Amherst (A. B. 1892, Instr. 1897-99); Prof. Olivet, 1899-05. — Asst. Invert. Zool. Harvard.

Frank Hollinger Cluts (F), Midland Coll. (A. B. 1892, late Instructor). —Kansas City, Mo.

*Franklin Story Conant (F), A. B. Williams 1893; Bruce Fellow 1897. **September* 13, 1897.

William Scofield Day, A. B. Columbia 1884.—Lecturer, Physics, Columbia.

Noah Ernest Dorsey (F), A. B. 1893, Asst. and Assoc. 1897-1901.—Physicist, Bureau of Standards, Wash.

Pelham Edgar (F), A. B. Toronto 1892.—Prof. French, Victoria Univ. Toronto.

Samuel Eagle Forman, A. B. Dickinson 1887; Lecturer 1900-01; Prof. English, Balt. City Coll. 1900-01. —Washington.

William Ritchie Fraser, A. B. Dalhousie 1882.—Lecturer, Greek, McGill Univ. Montreal.

Edwin Luther Green (F), A. B. Wash. and Lee 1892; Prof. Central (Ky.) 1898-99; Acting Prof. Iowa Coll. 1899-1900.—Adj. Prof. Ancient Lang. S. Carolina Univ. Columbia.

Arthur Sewall Haggett (F), A. B. Bowdoin 1893.—Prof. Greek, Univ. of Washington, Seattle.

William Edwards Henderson (F), A. B. Wooster 1891; Prof. Ohio Univ. 1897-99.—Asst. Prof. Anal. Chem. Ohio State Univ. Columbus.

William Jackson Humphreys (F), A. B. Wash. and Lee 1886; Instr. Univ. of Va. 1897-05.—Director, U. S. Meteor. Observ. Bluemont, Va.

Rev. Bartlett Burleigh James, Western Md. (A. B. 1891, Acting Prof. Psychol. etc. 1902-03); B. D. Westminster (Md.) Theol. Sem. 1892. —Clergyman, Balt.

Duncan Starr Johnson (F), S. B. Wesleyan 1892; Bruce Fellow, 1897-98.—Prof. of Botany.

Edwin Wexler Kennedy, A. B. Univ. of Tenn. 1880; Instr. Woman's Coll. Balt. 1895-97.—Prof. Amer. Hist. and Econ. Peabody Normal Coll. Nashville, Tenn.

Francis Plaisted King (F), A. B. Colby 1890; Asst. State Geologist of Georgia, 1893-96.—Portland, Me.

Omera Floyd Long (F), A. B. Ky. Wesleyan 1890.—Asst. Prof. Latin, Northwestern Univ. Evanston, Ill.

William Tyler Mather (F), A. B. Amherst 1896; Asst. 1897.—Assoc. Prof. Physics, Univ. of Texas, Austin.

John McLaren McBryde, Jr. (F), A. B. Univ. of S. C. 1890; Prof. Hollins Inst. Va. 1897-1903; Assoc. Prof. English, Univ. of N. C. 1904-05.—Acting Dean, Sweetbriar Inst. Amherst, Va.

John Frederick Mohler (F), A. B. Dickinson 1887.—Prof. Physics, Dickinson, Carlisle, Pa.

Charles Patrick Neill, A. B. Georgetown (D. C.) 1891; Prof. Pol. Econ. Catholic Univ. 1897-05.—U. S. Commissioner of Labor, Washington.

Robert Stewart Norris, Univ. of Cal. (S. B. 1892, late Instr. Chem.).

Philip Ogden, A. B. Cornell 1891.—Assoc. Prof. French Literature.

Nathan Allen Pattillo, S. B. Southern Univ. 1887; Prof. Ala. Normal Coll. 1897-99.—Prof. Math. Randolph-Macon Woman's Coll. Lynchburg, Va.

Alexander Pell (F), Prof. Math. Univ. of S. Dakota, Vermillion.

*Charles Dabney Ragland (F), Rand.-Macon (A. B. 1889, Prof. Chem. 1897-1900). **October* 30, 1900.

Milton Reizenstein, A. B. 1894.—Supt. Hebrew Educ. Soc. Brooklyn.

Frank Roy Rutter (F), A. B. 1894; Lecturer, Columbian, 1901-02, Iowa Univ. 1903-04.—Dept. of Agric. Washington.

John Adams Scott (F), A. B. Northwestern 1891.—Prof. Greek, Northwestern Univ. Evanston, Ill.

George Burbank Shattuck (F), S. B. Amherst 1892; Asst. Assoc. Assoc. Prof. 1897-05.—Prof. Geology, Vassar, Poughkeepsie, N. Y.

George Shipley, A. B. Rand.-Macon 1887.—English Master, Boys' Latin Sch. Balt.; Asst. Ed. *Baltimore American.*

Charles Peter Sigerfoos, S. B. Ohio State Univ. 1889; Asst. 1895-97.—Prof. Zool. Univ. of Minn. Minneapolis.

Enoch Walter Sikes, A. M. Wake Forest 1891.—Prof. Polit. Sci. and Hist. Wake Forest, N. C.

William Bull Stoddard, S. B. Colo. Univ. 1894; Asst. Chem. Colo. Sch. of Mines, 1897-98.—Boulder, Colo.

Hugo Paul Thieme, A. B. 1893; Asst. Prof. Earlham 1897-98; Lecturer 1900-01.—Asst. Prof. French, Univ. of Mich.

George Washington Ward, Western Md. (A. B. 1890, Prof. Hist. 1893-05).—Princ. State Normal Sch. Balt.

Louis Napoleon Wheatton, A. B. Western Md. 1892; LL. B. Univ. of Md. 1897.—Atty. at Law, N. Y.

Charles Francis Woods, Jr. A. B. 1891; Prof. Woman's Coll. Richmond 1897-99; Instr. Swarthmore 1899-1900, Pa. Coll. 1900-02, Univ. of Colo. 1902-04.—Instr. Mod. Lang., Lehigh. (42)

1898

Cleveland Abbe, Jr. (F), A. B. Harvard 1894; Prof. Nat. Sci. Western Md. 1898-99, Winthrop 1899-1901.—U. S. Geol. Survey, Wash.

Howard Bell Arbuckle, A. B. Hampden-Sidney 1889.—Sci. Instr. Decatur, Ga.

Arthur Henry Baxter, A. B. 1894.—Asst. Prof. Romance Lang. Amherst.

Ernest Julius Becker, A. B. 1894; Prof. Woman's Coll. Richmond, 1899-1901.—Instr. Mod. Lang. Balt. City Coll.

Charles Hillman Brough (F), Miss. Coll. (A. B. 1894, Prof. 1898-1901); LL. B. Univ. *of* Miss. 1902; Prof. Hillman Coll. 1902-03.—Prof. Econ. and Sociol. Univ. of Ark. Fayetteville.

Murray Peabody Brush, A. B. Princeton 1894; Instr. Ohio State Univ. 1898-99.—Assoc. French.

Killis Campbell (F), A. B. William and Mary 1894.—Adj. Prof. English, Univ. of Texas, Austin.

Charles Gilpin Cook, S. B. Haverford 1892.—Science Instr. High School, Brooklyn.

Frederick Henry Duryea Crane, A. B. Union 1893.—Analyt. Chemist, N. Y.

Gilman Arthur Drew (F), S. B. Iowa Univ. 1890; Bruce Fellow 1898, Asst. 1898-1900.—Prof. Biol. Univ. of Me. Orono.

William Alexander Eckels, A. B. Dickinson 1883; Prof. Ripon 1891-93, Miami Univ. 1893-1907; Acting Asst. Prof. Univ. of Tenn. 1907-08.

John Elesland, A. B. Univ. of S. Dak. 1891; Prof. Thiel Coll. 1898-1903; Instr. U. S. Naval Acad. 1903-07.—Prof. Math. West Va. Univ., Morgantown.

Charles Wilson Greene (F), Stanford (A. B. 1892, Asst. Prof. 1898-1900).—Prof. Physiol. Univ. of Mo., Columbia.

James Graham Hardy (F), A. B. Lafayette 1894.—Asst. Prof. Math. Williams.

Lancelot Minor Harris, A. B. Wash. and Lee 1888; Instr. and Asst. Prof. Indiana Univ. 1894-98.—Prof. English, Charleston Coll. S. C.

*Caleb Notbohm Harrison, Univ. of Wis. (B. C. E. 1882, Acting Prof. 1899-1900). **October* 11, 1904.

Charles Hoeing (F), A. B. Ky. State Coll. 1890.—Asst. Prof. Latin, Univ. of Rochester, N. Y.

William App Jones (F), A. B. Wake Forest 1893.—Anal. Chemist, N. Y.

Percy Lewis Kaye, Iowa Univ. (A. B. 1895, Instr. 1898-1900); Instr. Coe Coll. 1900-01.—Instr. Hist. Balt. City Coll.

Samuel Shipman Kingsbury, A. B. Marietta 1893.

Guy Carleton Lee (F), LL. B. Univ. of N. C. 1894; A. B. and LL. M. Dickinson 1895; Instr. History 1898-04.—Baltimore.

Arthur Gray Leonard, A. B. Oberlin 1889; Acting Prof. Univ. of Mo. 1899-1900.—Asst. Prof. Geol. Univ. of N. Dak.; State Geologist, Grand Forks.

Charles Elwood Mendenhall (F), S. B. Rose Polytech. 1894; Instr. Williams 1898-1901.—Prof. Physics, Univ. of Wis. Madison.

Samuel Alfred Mitchell (F), A. M. Queen's (Ont.) 1894; Fellow, Chicago 1898-99.—Instr. Astron. Columbia.

Cleophas Cisney O'Harra, A. B. Carthage 1894.—Prof. Geol. S. Dak. Sch. of Mines, Rapid City.

Daniel Allen Penick (F), A. B. Texas 1891.—Asst. Prof. Greek and Latin, Univ. of Texas, Austin.

Thomas Dobbin Penniman, A. B. 1892.—Electr. Eng. Balt.

Charles William Peppler (F), A. B. 1892.—Prof. Greek, Emory Coll. Oxford, Ga.

Ebenezer Emmet Reid (F), A. M. Richmond 1892; Prof. Charleston Coll. 1898-1901.—Prof. Chem. Baylor Univ. Waco, Texas.

***Edward Rhoads, S. B. Haverford 1893; Instr. Physics, Worcester Polytech. 1898-1900, Haverford 1900-03. *_July_ 4, 1903.**

Garnett Ryland, A. M. Richmond 1892; Instr. and Asst. Prof. Univ. of Me. 1898-1901; Prof. Converse Coll. 1901-03.—Prof. Chem. Georgetown Coll. Ky.

William Berney Saffold (F), A. B. Ala. 1887.—Prof. Greek and Latin, Univ. of Ala.

Aristogeiton Marcus Soho, Prof. St. John's 1894-1902.—Prof. French and Latin, Balt. City Coll.

Charles William Waidner (F), Profic. in Elec. 1892, A. B. 1896, Asst. 1898-99; Instr. Williams 1899-1901.—Physicist, Bureau of Standards, Wash.

Richard Henry Wilson, A. B. 1892, Instr. 1898-99.—Prof. Romance Lang. Univ. of Va.

Albert Francis Zahm, A. M. Notre Dame 1885.—Assoc. Prof. Mechanics, Catholic Univ. D. C. (36)

1899

Thomas Sewell Adams (F), A. B. 1896.—Asst. Prof. Econ. Univ. of Wis. Madison.

John William Basore (F), Hampden-Sidney (A. B. 1893, Prof. 1899-1900); Instr. Univ. of Cal. 1901-06.—Preceptor, Classics, Princeton.

Edward William Berger, Baldwin Univ. (Ph. B. 1894, Prof. 1899-1901); Science Instr. Cleveland High Sch. 1901-02.—Zoologist, Fla. Agric. Exper. Sta. Lake City.

William Noland Berkeley, S. B. St. John's 1896.—Chemist, East Orange, N. J.

Pierce Butler (F), A. B. Tulane 1892; Instr. Univ. of Texas 1900-02.—Prof. History, Tulane Univ. New Orleans.

Horace Greeley Byers, A. B. and S. B. Westminster (Pa.) 1895.—Prof. Chem. Univ. of Wash. Seattle.

Joseph Scudder Chamberlain (F), S. B. Iowa Agric. 1890; Instr. Oberlin 1899-1901.—Chemist. Dept. of Agric. Washington.

Francis Whittemore Cragin, S. B. Harvard 1882.—Prof. Geol. Colorado Coll. Colo. Springs.

George Vail Edwards, A. B. Hamilton 1891; late Prof. Olivet Coll. —Instr. Latin, Coll. City of N. Y.

James Rees Ewing, A. B. Ohio Wesleyan 1890.—Washington, D. C.

Oliver Lanard Fassig, S. B. Ohio State 1882.—Assoc. Meteorology; Section Director, U. S. Weather Bureau, Balt.

George Stronach Fraps (F), A. and M. Coll. of N. C. (S. B. 1896, Instr. 1899-03).—Prof. Chem. A. and M. Coll. of Texas and State Chemist, College Station.

Pierre Joseph Frein (F), A. B. Williams 1892; Instr. and Asst. Prof. Stanford 1899-03.—Prof. French, Univ. of Wash. Seattle.

Leonidas Chalmers Glenn (F), S. C. Coll. (A. B. 1891, Assoc. Prof. and Prof. 1899-1900).—Prof. Geol. Vanderbilt.

Caswell Grave (F), S. B. Earlham 1895; Bruce Fellow 1899-01.—Assoc. Prof. Zool.; State Shell-Fish Commissioner, Balt.

Nathaniel Edward Griffin, A. B. 1894; Instr. Iowa Univ. 1899-1900; Prof. Wells Coll. 1900-03; Instr. Univ. of Vt. 1903-04.—Preceptor, English, Princeton.

Karl Josef Grimm (F), Rayner Fellow 1899-1901; Prof. Ursinus Coll. 1901-06.—Prof. Mod. Lang. Pa. Coll. Gettysburg.

Hollister Adelbert Hamilton (F), A. B. Rochester 1892; Lecturer, Bryn Mawr, 1899-00.—Prof. Greek, Elmira Coll. N. Y.

Willis Bolt Holmes, A. B. Harvard 1896; Instr. Mass. Inst. Tech. 1899-1900; Assoc. Chicago 1900-07.—Assoc. Chem. Univ. of Ill. Urbana.

George Oscar James (F), A. B. 1895; Instr. Univ. of Utah 1896-97; Lecturer and Assoc. Prof. Columbian 1900-1902; Instr. Lehigh 1902-03. —Instr. Math. Wash. Univ. St. Louis.

James Wilson Kern, Univ. of Va. 1881.—Assoc. Prof. Latin, Wash. and Lee Univ. Lexington, Va.

George Philip Krapp, A. B. Wittenberg 1894.—Adj. Prof. English, Columbia.

William Kurrelmeyer (F), A. B. 1896; Prof. Franklin and Marshall 1899-1900.—Assoc. German.

Alvin Fayette Lewis, A. B. Princeton 1884; Prof. Hist. Univ. of Arkansas, 1899-1902.

Joseph Francis Merrill (F), S. B. Mich. 1893.—Prof. Physics, Univ. of Utah, Salt Lake City.

Alfred William Milden (F), A. B. Toronto 1888.—Prof. Classics, Emory and Henry Coll. Emory, Va.

Walter Alexander Montgomery, A. B. 1892; Instr. Univ. of Ark. 1899-1900; Acting Prof. Miss. Univ. 1900-01.—Prof. Greek and Latin, William and Mary Coll. Williamsburg, Va.

Daniel Esten Motley, A. B. Milligan (Tenn.) 1894.—Prest. Christian Coll. Washington, D. C.

Rokuro Nakaseko, Doshisha Kyoto 1889; Yale (Fellow 1899-01, M. S. 1901); late Instr. Chem. Doshisha Kyoto.—Osaka, Japan.

William Albert Nitze (F), A. B. 1894; Lecturer and Tutor, Columbia, 1899-03; Prof. Amherst 1903-08.—Prof. Romance Lang. Univ. of Cal. Berkeley.

Frederick Albert Saunders (F), A. B. Toronto 1895; Instr. Haverford 1899-1901.—Prof. Physics, Syracuse Univ. N. Y.

Laurence Frederick Schmeckebier (F), A. B. 1896.—Chief, Div. of Publications, Dept. of Interior, Wash.

St. George Leakin Sioussat, A. B. 1896; Instr. Smith Coll. 1899-04. —Prof. Hist. Univ. of the South, Sewanee, Tenn.

Rev. Charles William Sommerville. A. B. and S. B. Hampden-Sidney 1890; Lectr. 1900-01.—Clergyman, Louisville, Ky.

Mervin Tubman Sudler, S. B. Md. Agric. 1894; M. D. Coll. P. and S. Balt. 1901; Asst. and Instr. 1899-1902; Instr. Cornell Univ. 1902-05. —Prof. Anat. and Dean of Scientific Dept. School of Med. Univ. of Kansas, Lawrence.

***Morris Crater Sutphen, A.B. Princeton 1890; Instr. Latin 1899-1901. *_August_ 31, 1901.**

William Taylor Thom, A. B. Wash. and Lee 1869.—U. S. Geol. Survey, Washington.

Harold John Turner, A. B. 1892; Prof. Western Md. 1900-01; Asst. Tufts Coll. 1903-04.—Science Director, Montclair High Sch. N. J.

Campbell Easter Waters, A. B. 1895; Prof. Conn. Agric. 1900-01; Asst. 1901-04.—Chemist, Bureau of Standards, Wash.

Henry Skinner West (F), A. B. 1893; Prof. Balt. City Coll. 1894-97 and 1900; Instr. English 1899-1900; Principal Western High School, Balt. 1900-06.—Asst. Supt. of Schools, Balt.

Francis Daniel Wilson, S. B. Va. Polytech. 1894; Asst. Tufts 1899-1900.—Instr. Chem. Va. Polytechnic, Blacksburg.

James Henry Curry Winston, A. B. and S. B. Hamp.-Sidney 1894.—Adj. Prof. Phys. Science, Hampden-Sidney, Va. (42)

1900

Homer Van Valkenburg Black, A. B. Univ. of Ga. 1896.—Asst. Chem. Ga. School of Tech. Atlanta.

William Martin Blanchard (F), A. B. Rand.-Macon 1894; Instr. Rose Polytech. 1900-01.—Prof. Chem. De Pauw, Greencastle, Ind.

Hall Canter, Randolph-Macon, Ashland, Va. (A. B. 1892, Prof. Chem.)

Charles Edward Caspari (F), A. B. 1896; Asst. Columbia 1900-01.—Prof. Chem. St. Louis Coll. of Pharmacy.

Hardee Chambliss, Va. Mil. Inst. 1894; M. S. Vanderbilt 1899.—Chemist, General Chem. Co. N. Y.

William Sidney Drewry, A. B. Univ. of Va. 1893; Instr. Hist. Mo. Univ. 1900-02.—Richmond, Va.

James Edwin Duerden, Assoc. Royal Coll. of Sci. London 1899; Curator, Inst. of Jamaica 1895-1901; Bruce Fellow 1901-02; Acting Prof. Univ. of N. C. 1902-03; Instr. Univ. of Mich. 1903-05.—Prof. Zool. Rhodes Univ. Coll. Grahamtown, Cape Colony.

Luther Pfahler Eisenhart (F), A. B. Pa. Coll. 1896.—Preceptor in Math. Princeton.

***Herbert Baldwin Foster (F), A. B. Harvard 1895; Acting Prof. St. Stephen's, 1900-01, Lehigh, 1904-05; Prof. Greek, Univ. of S. Dak. 1901-04. *_June_ 5, 1906.**

William Linwood Foushee (F), A. M. Wake Forest 1894; Acting Prof. Mercer 1900-01.—Prof. Latin, Richmond Coll. Va.

Wightman Wells Garner, A. B. Univ. of S. C. 1896; late Instr. Chem. Tufts Coll.—Chemist, Washington.

Clyde Chew Glascock (F), Univ. of Va. 1892.—Asst. Prof. German, Yale.

Lawrence Edmonds Griffin (F), A. B. and Ph. B. Hamline 1895; Bruce Fellow 1900; Instr. Adelbert 1900-02.—Prof. Biol. Mo. Valley Coll. Marshall, Mo.

Rev. Adolph Guttmacher, A. B. Cincinnati 1887.—Rabbi, Balt.

Sivert N. Hagen (F), A. B. Luther 1896; Instr. Iowa Univ. 1900-04.—Instr. Engl. and German, Vanderbilt, Nashville, Tenn.

Joseph Cawdell Herrick (F), A. B. Univ. of Va. 1896.—Instr. Sciences, St. Joseph's Sem. Yonkers, N. Y.

David Wilbur Horn, A. B. Dickinson 1897; Assoc. and Assoc. Prof. Bryn Mawr 1900-07.—Prof. Chem. Central Manual Trg. Sch. Phila.

William Bashford Huff, A. B. Wis. 1889; A. M. Chicago 1896; Asst. and Instr. 1900-02.—Assoc. Prof. Physics, Bryn Mawr.

***Julian Huguenin (F), A. B. Charleston 1895; Acting Prof. English, Univ. of La. 1900-01. *_February_ 19, 1901.**

Walter Hullihen (F), A. B. Univ. of Va. 1896.—Prof. Latin, Univ. of Chattanooga, Tenn.

Robert Edmund Humphreys, A. B. Emory and Henry 1889.—Chemist, Standard Oil Co. Whiting, Ind.

Charles Ranald MacInnes, Queen's, Ont. (A. M. 1896, Instr. 1900-02); Lecturer Math. Manitoba Coll. 1902-03; Director of Gymnasium 1903-05.—Instr. Math. Princeton.

William Starr Myers, A. B. Univ. of N. C. 1897.—Preceptor, Hist. etc. Princeton.

John Charles Olsen (F), A. B. Knox 1890.—Prof. Anal. Chem. Brooklyn Polytech. Inst.

Austin McDowell Patterson, A. B. Princeton 1897; Instr. Chem. Centre Coll. 1900-01, Rose Polytech. 1901-03.—Xenia, O.

Louis Maxwell Potts, A. B. Wash. and Jeff. 1896.—Chief Engr. Rowland Tel. Co. Balt.

George Lovic Pierce Radcliffe, A. B. 1897; Instr. Hist. Balt. City Coll. 1901-02.—Atty. at Law, Balt.

Albert Moore Reese, A. B. 1892; Prof. Allegheny 1901-02; Assoc. Prof. Syracuse 1902-07.—Prof. Zool. West Va. Univ. Morgantown.

Herbert Meredith Reese (F), A. B. 1897; Asst. Lick Observ. 1900-03, Yerkes Observ. 1903-04.—Instr. Physics, Univ. of Mo. Columbia.

Rev. William Rosenau, A. B. Cincinnati 1888.—Rabbi, Balt.; Assoc. Hebrew.

*Richard Burton Rowe (F), Ph. B. Union 1896; U. S. Geol. Surv. 1900-02. **May* 26, 1902.

James Eustace Shaw (F), A. B. 1896.—Assoc. Italian.

Ernest Ashton Smith, A. B. Ohio Wesleyan 1888. — Shaw Lecturer 1907-08; Prof. Hist. and Econ. Allegheny Coll., Meadville, Pa.

Elisha Chisholm Walden, A. B. Ohio Wesleyan 1892.—Webb City, Mo.

Charles Clinton Weaver (F), A. B. Trinity, N. C. 1895; Pres. Rutherford Coll. 1900-03.—Prof. Hist. Davenport Coll. Lenoir, N. C.

(35)

1901

Herbert Thompson Archibald (F), A. B. Dalhousie 1897.—Prof. Greek. Occidental Coll. Los Angeles, Cal.

George Ernest Barnett (F), A. B. Rand.-Macon 1891. — Assoc. Prof. Polit. Econ.

Robert Montgomery Bird, A. B. Hampden-Sidney 1897; Asst. Prof. Miss. Agric. 1901-02, Univ. of Mo. 1902-07.—Collegiate Prof. Chem. Univ. of Va.

Jay Allen Bonsteel, S. B. Cornell 1896.—Geologist, Dept. of Agric. Washington.

Lyman James Briggs, S. B. Mich. Agric. 1893; M. S. Mich. Univ. 1895.—Physicist, Dept. of Agric. Washington.

George Dobbin Brown (F), A. B. 1895; Acting Prof. Univ. of Vt. 1901-02.—Instr. English, Princeton.

Benjamin Palmer Caldwell (F), Tulane (A. B. 1893, B. E. 1895, Ch. E. 1897).—Asst. Prof. Chem. Tulane, New Orleans.

Victor John Chambers, S. B. Rochester 1895. — Instr. Organ. Chem. Columbia.

William Chambers Coker, S. B. Univ. of S. C. 1894.—Assoc. Prof. Botany, Univ. of N. C. Chapel Hill.

Winterton Conway Curtis (F), A. B. Williams 1897.—Asst. Prof. Zool. Univ. of Mo. Columbia.

Waverley Bayard Daniel (F), A. M. Wake Forest 1892.—Prof. Latin, Baylor Univ. Waco, Texas.

James McDowell Douglas, A. B. Davidson 1893.—Assoc. Prof. Nat. Philos. Davidson, N. C.

Rev. Arthur Henry Ewing (F), A. B. Wash. and Jeff. 1887; Western Theol. Sem. (Pa.) 1890. — Prof. Christian Coll. Allahabad, India.

James Marion Farr, A. B. Davidson 1894.—Prof. English, Fla. Univ. Gainesville.

Joseph Christie Whitney Frazer (F), S. B. Ky. State 1897; Asst. and Assoc. 1901-03, 1905-07. — Chemist, U. S. Geol. Survey, Pittsburg.

Rev. Francis LeJau Frost, S. T. B. Gen. Theol. Sem. (N. Y.) 1897.—Clergyman, W. New Brighton, N. Y.

Norman Everett Gilbert (F), A. B. Wesleyan 1895; Instr. Hobart, 1901-03. — Asst. Prof. Physics, Dartmouth, Hanover, N. H.

Roscoe Guernsey (F), A. B. Union 1896; Instr. 1901-03. — Tutor, Greek, Columbia.

Fred Cole Hicks (F), Ph. B. Cornell Coll. 1896; Instr. Monmouth Coll. 1901-07.—Instr. German, Univ. of Wis., Madison.

Gilbert Logan Houser, S. B. Iowa Univ. 1891.—Prof. Animal Biology, Iowa Univ., Iowa City.

Norton Adams Kent, A. B. Yale 1895; Asst. Yerkes Observ. 1901-03; Prof. Wabash 1903-06.—Asst. Prof. Physics, Boston Univ. Boston.

George Curtis Martin (F), S. B. Cornell 1898; Instr. 1901-04. — U. S. Geol. Survey, Washington.

William Elejius Martin (F), A. M. Southern Univ. 1898; Prof. Emory and Henry Coll. 1901-06.—Prest. Sullins Coll. Bristol, Va.-Tenn.

Jens Anderson Ness (F), A. B. Luther 1884.—Prof. Latin, Wittenberg, Springfield, Ohio.

Francis LeJau Parker, Jr., S. C. Mil. Acad. 1894; S. B. Chicago 1900. — Prof. Chem. Charleston Coll. S. C.

Harold Pender, A. B. 1898; Instr. Physics, Syracuse Univ. 1902-03. —Elec. Engr. New York.

Israel Euclid Rabinovitch (F).—New York.

George Burr Richardson (F), S. B. Harvard 1895.—U. S. Geol. Survey, Wash.

Charles Carroll Schenck, A. B. 1893; Asst. Lehigh 1901-02; Instr. McGill, 1902-05.—Instr. Physics, Lehigh.

Ward Weaver Simmons, S. B. Brooklyn Polytech. 1897. — Brooklyn, N. Y. (30)

1902

Frank Ringgold Blake (F), A. B. 1897. — Assoc. Oriental Lang.; Instr. Hist. Balt. City Coll.

George Cator, A. B. 1901. — Pres. Amer. Bonding Co. Balt.

Friend Ebenezer Clark, W. Va. Univ. (S.B. 1898, Instr. 1902-03); Instr. Pa. State Coll, 1903-05. — Prof. Chem. Central, Danville, Ky.

Arthur Byron Coble (F), A. B. Pa. Coll. 1897; Instr. Mo. Univ. 1902-03.—Assoc. Mathematics.

Albert Eugene Curdy (F), A.B. Kansas 1885.—Instr. French, Yale.

Rev. Theodore Clinton Foote, A. B. Racine 1880; S. T. B. Gen. Theol. Sem. (N. Y.) 1884; Rayner Fellow 1901-03. — Instr. Biblical Literature; Clergyman, Balt

James Warner Harry (F), A. B. Georgetown, Ky. 1899.—Baltimore.

Herman Kurrelmeyer (F), A. B. 1899. — Instr. Mod. Lang. Mass. Inst. Tech. Boston.

Charles Fowler Lindsay (F), A. B. Dalhousie 1899.—Research Chemist, Gen. Elec. Co. Schenectady.

Louis Wardlaw Miles (F), A. B. 1894; M. D. Univ. of Md. 1897.—Preceptor, English, Princeton.

Louis Alexander Parsons (F), A. B. Iowa Univ. 1895; Asst. 1902-03; Instr. Univ. of Utah 1903-04, Univ. of Cal. 1904-07.—Prof. Physics, Pa. Coll. Gettysburg.

Henry Farnham Perkins, A. B. Vermont 1896.—Asst. Prof. Zool. Univ. of Vt. Burlington.

Charles Snavely, Otterbein, Westerville, Ohio (A. B. 1894, Prof. Hist.).

Percy Goldthwait Stiles (F), S. B. Mass. Inst. Tech. 1897; Asst. 1900-02; Instr. N. Y. Univ. 1902-04.—Instr. Physiol. Mass. Inst. Tech; Asst. Prof. Biol. Simmons Coll. Boston.

William Stone Weedon (F), S. B. Md. Agric. 1897.—Research Chemist, Wilmington, Del.

John Boswell Whitehead, Jr., Profic. in Elec. 1893, A. B. 1898.—Assoc. Prof. Electricity.

Kisaburo Yamaguchi (F), Tokyo Coll. of Sci. 1891.—Honjo, Tokyo. (17)

1903

LeRoy Carr Barret (F), A. B. Wash. and Lee 1897; Instr. Latin 1903-07. — Preceptor, Classics, Princeton.

Elbert Jay Benton (F), A. B. Campbell Univ. 1895; Shaw Lecturer 1906-07 — Prof. Hist. Adelbert, Cleveland.

George Olaf Berg (F), St. Olaf (A. B. 1899, Acting Prof. 1905-06).—Prof. Greek, Wittenberg Coll. Springfield, Ohio.

Benjamin Franklin Carver, S. B. Pa. Coll 1900.—Chemist, Standard Oil Co. Whiting, Ind.

Henry Augustus Converse, A. B. Hampden-Sidney 1893; Instr. 1903-04; Instr. Balt. Polytech. Inst. 1904-06.—Prof. Math. Davis & Elkins Coll. Elkins, W. Va.

Rev. John P. Coony, Asst. St. Louis Univ. 1903-04.—Prof. Chem. Marquette Coll. Milwaukee.

Frank Linley Critchlow, Princeton (A. B. 1896, Preceptor, Mod. Lang.)

Charles Keyser Edmunds (F), A. B. 1897. — Prof. Physics, Christian Coll. Canton, China.

Philip Howard Edwards (F), A. B. St. John's 1898. — Instr. Latin, Balt. City Coll.

Frederick Hutton Getman (F), Instr. N. Y. City Coll. 1904-05, Instr. Chem. High Sch. Stamford, Conn. 1905-07. — Lecturer, Physics, Columbia.

William Elford Gould, A. B. Columbia 1879; Instr. Spanish, Univ. of Tenn. 1906-07.—Flushing, N. Y.

Philip Warner Harry, A. B. 1898; Instr. Univ. of Me. 1901-02, Cincinnati, 1903-06. — Instr. French, Northwestern Univ. Ill.

Yukimasa Hattori (F), Tokyo Coll. of Sci. 1898.

John Gale Hun (F), A. B. Williams 1899.—Instr. Math. Princeton.

Albert Johannsen (F), S. B. Univ. of Utah 1898.—U. S. Geol. Survey, Wash.

Thomas Madison Jones, Rand.-Macon, Ashland, Va. (A. B. 1894, Prof. Greek).

George Wiles Middlekauff, A. B. Franklin and Marshall 1891. — Physicist, Bureau of Standards, Wash.

Benjamin Leroy Miller (F), A. B. Kansas Univ. 1897; A. M. Penn Coll. 1898; Assoc. Bryn Mawr 1903-07. — Prof. Geol. Lehigh, S. Bethlehem, Pa.

Joseph Haines Moore, A. B. Wilmington (O.) 1897. — Asst. Lick Observatory, Cal.

Alfred James Morrison (F), Hampden-Sidney, Va. (A. B. 1895, Prof. Latin and German).

Roland Jessup Mulford (F), Harvard (A. B. 1893, LL. B. 1896).—Head Master, Ridgefield School, Conn.

John David Rodeffer, A. B. Roanoke 1895; Instr. Balt. City Coll. 1903-04.—Prof. Mod. Lang., Roanoke Coll., Salem, Va.

Henry Nevill Sanders (F), A. B. Trinity (Ont.) 1894; Lecturer, McGill 1898-01.—Prof. Greek, Bryn Mawr, Pa.

Charles Albert Savage, A. B. 1895.—Asst. Prof. Greek and Latin, Univ. of Minn. Minneapolis.

Atherton Seidell, Univ. of Ga. (B. Agr. 1898, S. B. 1899); M. S. Columbian 1901.—Chemist. Div. of Pharmacol., Hygienic Lab., Bureau of Public Health, Wash.

Daniel Naylor Shoemaker (F), S. B. Earlham 1894; Asst. Zool. 1900-01.—Botanist, U. S. Dept. of Agric., Wash.

Arthur Whitmore Smith (F), S. B. New Hampshire Coll. 1893.—Asst. Prof. Physics, Univ. of Mich.

(27)

1904

James Barnes (F), A. B. Dalhousie 1899; Asst. 1904-06.—Assoc. Physics, Bryn Mawr, Pa.

Harry Preston Bassett, S. B. Ky State 1901.—Research Chemist, Woodbury, N. J.

Charles Edward Brooks, A. B. 1900.—Actuary, Fayetteville, N. C.

George Grimn Brownell, A. B. Syracuse 1893.—Prof. Romance Lang. Univ. of Ala.

Douglas Labaree Buffum (F), A. B. and A. M. Univ. of Va. 1898; Instr. Yale 1904-05.—Preceptor, Mod. Lang. Princeton.

Howard Vernon Canter (F), A. B. Wash. and Lee 1896.—Instr. Latin, Univ. of Mo. Columbia.

Charles Geiger Carroll, A. B. Southwestern 1896.—Prof. Chem. Univ. of Ark. Fayetteville.

Walter Buckingham Carver (F), Ph. B. Dickinson 1899; Prof. Ursinus 1904-06.—Instr. Math. Cornell.

Rheinart Parker Cowles (F), A. B. Stanford 1899; Bruce Fellow 1902-04.—Instr. Biology.

John Jackson Crumley, A. B. Chicago 1899.—Prof. Latin, Antioch. Yellow Springs, O.

Howard Waters Doughty (F), Profic. in Elec. 1893; Instr. Univ. of Mo. 1904-06, Univ. of Wis. 1906-07.—Instr. Chem. Amherst.

Aaron Ember (F), A. B. 1901, Rayner Fellow 1904-08.—Instr. Hebrew.

Otto Charles Glaser, A. B. 1900, Bruce Fellow, 1904-05.—Instr. Zool. Univ. of Mich.

Elliot Snell Hall (F), A. B. Amherst 1896; Instr. Chicago 1904-06; Acting Asst. Prof. Univ. of Wash. 1906-07.—Assoc. Prof. Chem., Amherst.

Henry Dickinson Hill, A. B. 1900.—Elec. Engr. Wilkinsburg, Pa.

John Porter Hollis (F), A. B. Wofford 1895; Acting Prof. Hist. Southwestern Univ. Texas, 1904-05.—Bureau of Corporations, Wash.

Arthur Isaac Kendall (F), S. B. Mass. Inst. Tech. 1900.—Bacteriologist, Ancon, Panama, S. A.

Albert Frederick Kuersteiner, A. B. Cincinnati 1888.—Prof. Romance Lang. Indiana Univ. Bloomington.

Charles Edward Lyon, A. B. 1897; Instr. Williams, 1904-05.—Instr. Mod. Lang. Princeton.

Ernest Gale Martin (F), Ph. B. Hamline 1897; Asst. 1903-04; Instr. Purdue 1904-07.—Instr. Physiol. Harvard.

Raymond Durbin Miller (F), A. B. 1898; Instr. Univ. of Texas, 1905-06.—Instr. English, Syracuse Univ.; Fellow by Courtesy.

James Raider Mood, A. B. Charleston 1900.—Instr. Latin, Villanova Coll. Pa.

McKendree Llewellyn Raney (F), A. B. Centre 1897.—Asst. Librarian.

John Joseph Rutledge, S. B. Ill. Univ. 1894.—Mining Geologist, Balt.

John Philip Schneider (F), A. B. Wittenberg 1896; A. M. Columbia 1898.—Prof. English, Wittenberg, Springfield, O.

Theodore Leslie Shear (F), A. B. N. Y. Univ. 1900.—Tutor, Class. Philol. Columbia.

Harry William Springsteen, S. B. Case School 1897; Assoc. Bryn Mawr 1904-07.—Asst. Prof. Physics, Western Reserve, Cleveland.

Charles Kephart Swartz (F), A. B. 1888; B. D. Oberlin 1892; Fellow, Clark 1889-90.—Assoc. Prof. Geology.

David Hilt Tennent (F), S. B. Olivet 1900; Bruce Fellow 1904.—Assoc. Prof. Zool. Bryn Mawr.

James Blanton Wharey, A. B. Davidson 1892; Prof. S. W. Presb. 1900-06.—Prof. English, Univ. of Nashville, Tenn.

William Phillips Winter, A. B. Ohio Wesleyan 1887.—Prof. Chem. Albright Coll. Meyerstown, Pa.

(31)

1905

Edward Cook Bingham, A. B. Middlebury 1899.—Prof. Chem. Richmond Coll. Va.

Beverly Waugh Bond, Jr. A. B. Rand.-Macon 1900; Instr. Univ. of Miss. 1905-06; Prof. S. W. Presb. 1906-07.—Instr. Econ. and Hist. Purdue, Lafayette, Ind.

Hamilton Bradshaw (F), A. B. Beloit 1902.—Research Chemist, Woodbury, N. J.

Oliver Perry Chitwood (F), A. B. William and Mary 1899; Prof. Mercer 1905-07. — Prof. Hist. W. Va. Univ. Morgantown.

Philip Howard Cobb, A. B. Bowdoin 1902.—Instr. Chem. Tufts Coll.

De La Warr Benjamin Easter, A. M. Rand.-Macon 1891; Adj. Prof. Wofford 1893-95; Instr. 1904-05. —Prof. Mod. Lang. Rand.-Macon, Ashland, Va.

Hamilton James Eckenrode, A. B. Fredericksburg 1898. — Archivist, State Library, Richmond, Va.

Thomas Howard Fowler, A. B. Washington (Md.) 1897; Instr. Williams 1905-06.—Prof. German, Wells Coll., Aurora, N. Y.

John Calvin French (F), A. B. 1899. —Instr. English.

Eugene Willis Gudger, S. B. Nashville Univ. 1892.—Prof. Biol. and Geol. N. C. Normal and Indus. Coll. Greensboro.

August Ernest Guenther (F), A. B. Mich. 1898; Asst. 1904-05.—Asst. Prof. Physiol. Univ. of Neb. Lincoln.

William Edwin Hoffman, Jr., A. B. 1902.—City Chemist, Balt.

Lee Milton Hollander (F), A. B. 1901. — Instr. German, Univ. of Mich.

Edward William Hope, A. B. Pa. Univ. 1898; Acting Prof. Univ. of Ala. 1905-06; Instr. Classics, Univ. of Ill. 1906-07.

William Kirk (F), A. B. 1902.—Asst. Prof. Econ. Brown Univ. Providence.

Winfred George Leutner (F), A. B. Adelbert 1901; Prof. Wittenberg, 1905-06.—Instr. Classics, Western Reserve, Cleveland.

Robert Edward Loving (F), A. B. Richmond 1896; Prof. Blackburn 1905-06, Cornell Coll. 1906-07.—Instr. Physics, Univ. of Mo. Columbia.

Ashton Waugh McWhorter (F), A. B. Roanoke 1895; Instr. George Washington Univ. 1905-06.—Prof. Greek, Hampden-Sidney, Va.

William John Miller (F), S. B. Univ. of Pacific 1900.—Prof. Geol. Hamilton Coll. Clinton, N. Y.

Henry Bayard Philips (F), S. B. Erskine 1900; Instr. Cincinnati 1905-07.—Instr. Math. Mass. Inst. of Tech. Boston.

James Temple Porter (F), A. B. Rand.-Macon 1895; Instr. Williams 1905-06; Prof. Rand.-Macon Woman's Coll. 1906-08.—Prof. Astron. and Physics, Univ. of Tenn. Knoxville 1908—.

Robert Lee Ramsay (F), A. B. Fredericksburg 1899; Asst. 1905-07.—Instr. English, Univ. of Mo. Columbia.

Samuel Rittenhouse, A. B. Ursinus 1901.—Instr. Biol. Olivet Coll. Mich.

James Edward Routh, Jr., A. B. 1900; Asst. Univ. of Texas 1906-07. — Instr. English, Washington Univ. St. Louis.

Aaron Morton Sakolski, Ph. B. Syracuse 1902; Lecturer 1907-08.—Bureau of Corporations, Washington.

William George Seiple, A. B. Franklin and Marshall 1898; Rayner Fellow 1903-04.—Missionary, Sendai, Japan.

Forrest Shreve (F), A. B. 1901, Bruce Fellow 1905-06, Lecturer 1907-08.—Assoc. Prof. Botany, Woman's Coll. Balt.

Roswell Powell Stephens, A. B. Ga. 1896; Instr. Wesleyan 1905-07.—Adj. Prof. Math. Univ. of Ga. Athens.

Henry Philip Straus, A. B. 1902.—Mfg. Chemist, Balt.

Levi Shoemaker Taylor (F), S. B. Swarthmore 1898.—Science Instr. Friends' Central Sch. Phila.

Mayville William Twitchell, S. B. Columbian 1899.—Prof. Geol. Univ. of S. C. Columbia.

Horace Scudder Uhler (F), A. B. 1894; Instr. Northwestern 1896-97.—Instr. Physics, Yale.

Augustus Price West, A. B. 1901.—Chemist, Balt.

Boyd Ashby Wise (F), A. B. Rand.-Macon 1897; Acting Prof. Millsaps 1906-07.—Prof. English, Emory, Oxford, Ga.

James Martin Wright (F), A. B. Wm. Jewell 1901; Asst. Hist. 1905-07.—Baltimore. (35)

1906

Samuel James Allen (F), S. B. McGill 1900.—Instr. Physics, Univ. of Cincinnati.

Roger Frederic Brunel, A. B. Colby 1903; Asst. Tufts 1906-07.—Instr. Chem. Syracuse Univ.

Robert Ervin Coker (F), S. B. Univ. of N. C. 1896; Bruce Fellow 1906. —Investigating marine fisheries for the Peruvian government, Lima, S. A.

Edwin Preston Dargan (F), A. B. Bethel 1899.—Adj. Prof. Romance Lang. Univ. of Va.

Arthur Dodge, A. B. William and Mary 1900.

George Wicker Elderkin (F), A. B. Dartmouth 1902.—Amer. School of Class. Studies, Athens.

Thomas Sidney Elston, S. B. California 1899; Instr. Univ. of Wis. 1906-07.—Instr. Physics, Univ. of Cal. Berkeley.

Howard Edwin Enders, S. B. Michigan 1898. — Instr. Zool. Purdue Univ. Lafayette, Ind.

Horace Edgar Flack (F), A. M. Wake Forest 1901. — City Statistician, Balt.

Charles Walter Gray, S. B. Ill. Wesleyan 1903. — Chemist, Woodbury, N. J.

Charles Clayton Grove, A. B. Pa. Coll. 1900; Instr. Balt. Polytech. 1905-06; Instr. Hamilton 1906-07. —Prof. Math. Roanoke, Salem, Va.

Hugh Sisson Hanna, A. B. 1899.—Baltimore.

John Coffey Hildt, A. B. 1903.—Instr. Hist. Smith Coll. Northampton, Mass.

Ernest Jenkins Hoffman, A. B. Davidson 1900.—Chemist, Dallas, N. C.

B. Smith Hopkins, A.B. Albion 1896. —Prof. Chem. Neb. Wesleyan, University Place.

Edward Pechin Hyde (F), A. B. 1900.—Physicist, Bureau of Standards, Washington.

William Lee Kennon (F), S. B. Millsaps 1900.—Instr. Chem. Williams Coll. Mass.

LeRoy McMaster (F), Ph. B. Dickinson 1901.—Instr. Chem. Washington Univ. St. Louis.

Wightman Fletcher Melton, A. M. Blount, 1892. — Prof. English, Balt. City Coll.

John Frederick Messick (F), A. B. Rand.-Macon 1899; Instr. Williams 1906-07.—Asst. Prof. Math. Randolph-Macon.

James Marvin Motley (F), A. B. William Jewell 1901; Prof. Wells Coll. 1906-07.—Asst. Prof. Economics, Stanford Univ.

Samuel Grant Oliphant (F), A. B. Princeton 1891; Johnston Scholar 1906-07. — Prof. Ancient Lang. Olivet Coll. Mich.

Walter Thomson Peirce (F), A. B. Ohio Wesleyan 1894; A. M. Mich. 1896; Acting Prof. Indiana Univ. 1903-05.—Asst Prof. French, Ohio State Univ. Columbus.

August Herman Pfund (F), S. B. Wisconsin 1901; Asst. Physics 1906-07.—Johnston Scholar.

William Frederick Prouty (F), S. B. Syracuse 1903.—Assoc. Prof. Geol. Univ. of Ala.; Asst. State Geologist, Tuscaloosa.

Charles Judson Robinson, S. B. Ill. Wesleyan 1903. — Instr. Chem. N. Y. Univ.

Charles August Rouiller, A. B. Stanford 1903; Rockefeller Inst. 1906-07.—Asst. Chem.

Robert Bruce Roulston (F), A. B. 1900.—Instr. German 1908—.

Andrew Dante Schrag (F), A. B. Haverford 1902; Instr. German. Western Reserve 1906-07.—Student in Germany.

Charles Sidney Smith (F), A. B. Princeton 1888.—Asst. Prof. Greek and Latin, George Washington Univ.

William Anderson Syme, S. B., N. C. A. & M. Coll. 1899. — Chemist, Agric. Exper. Sta. Raleigh, N. C.

Henry McGilbert Wagstaff (F), Ph. B. Univ. of N. C. 1899; Acting Prof. Allegheny 1906-07.—Assoc. Prof. Hist. Univ. of N. C. Chapel Hill. (82)

1907

John August Anderson (F), S. B. Valparaiso 1900; Carnegie Research Asst. 1907-08.—Instr. Astron. 1908—.

Clyde Shepherd Atchison (F), A. B. Westminster, Pa. 1903. — Instr. Math. Williams Coll. Mass.

Harold Herman Bender (F), A. B. Lafayette 1903. — Student in Germany.

Frederick Conrad Blanck, A.B. 1903. —Research Asst. Biol. Chem. Harvard.

Solomon Blum, A. B. 1903. — Simmons Coll. Boston.

Taylor Scott Carter, S. B. Va. Mil. Inst. 1901.—Electr. Engr., Pittsburg.

Frank Lawrence Cooper, S. B. Michigan 1900.—Asst. Physics, Yale.

Robert Treat Crane (F), A. B. 1902. —U. S. Consular Service, Montreal, Can.

Paul Brown Dunbar, S. B. Pa. Coll. 1904.—Chemist, Dept. of Agric., Washington.

William Davis Furry (F), A. B. Notre Dame 1900. — Johnston Scholar, Philos.

Theodore Wesley Glocker (F), A. B. 1903; Asst. Econ. 1907-08.—Asst. Head, Research Dept. School for Social Workers, Boston 1908—.

William West Holland, A. B. Central, Ky. 1906.—Carnegie Research Asst. Chem.; Fellow by Courtesy.

Harry Nichols Holmes, S. B. Westminster, Pa. 1899.—Prof. Chem. Earlham, Richmond, Ky.

Herbert Pierrepont Houghton (F) A. B. Amherst 1901.—Instr. Classics, Princeton.

James Boyd Kennedy, A.B. Erskine 1892. — Prof. Econ. Wells Coll. Aurora, N. Y.

Alfred Allan Kern (F), A. B. Rand.-Macon 1898.—Prof. English, Millsaps Coll. Jackson, Miss.

Henry Carrington Lancaster (F), A. B. Univ. of Va. 1903.—Instr. Romance Lang., Amherst, Mass.

Aubrey Edward Landry, A. B. Harvard 1900.—Assoc. Math. Catholic Univ. Washington.

Albert Harp Licklider (F), A. M. Rand.-Macon 1897. — Instr. English.

Herbert Cannon Lipscomb, A. B. Rand.-Macon 1901.—Latin Master, Country School for Boys, Balt.

Benjamin Franklin Lovelace (F), S. B. Univ. of Ala. 1904.—Asst. Chem.

Henry Martin (F), A. B. Richmond 1899. — Instr. Classics, Buena Vista, Va.

Bartgis McGlone, A. B. 1902.—Prof. Biol. St. John's, Annapolis.

Marbury Bladen Ogle (F), A. B. 1902.—Asst. Prof. Latin, Univ. of Vt. Burlington.
Daniel Webster Ohern (F), A. B. Drake 1898.—Assoc. Geol. Bryn Mawr.
James Newton Pearce, Ph. B. Northwestern 1896.—Asst. Prof. Chem., Iowa Univ., Iowa City.
Francis Mitchell Rogers, A. B. Davidson 1903.—Chemist, Winston-Salem, N. C.
Charles Henry Saylor (F), A. B. 1904.—Prof. Greek, Marshall Coll. Huntington, W. Va.
William Henry Schultz (F), Ph. B. Baldwin 1899.—Instr. Physiol. Univ. of Mo. Columbia.
Guy Howard Shadinger, Ph. B. Hamline 1900.—Instr. Chem. Butler Univ. Indianapolis.
Lloyd William Stephenson, Ph. B. Scio Coll. 1903.—Asst. Geologist, U. S. Geol. Survey.
Charles Milton Stine (F), S. B. Pa. Coll. 1903.—Research Chemist, Chester, Pa.
William Read Veasey, A. B. Westminster, Pa. 1903.—Instr. Chem. Washington Univ. St. Louis.
Leon Franklin Williams, A. B. Trinity, N. C. 1901.—Chemist, N. C. Experiment Sta., West Raleigh.
Louis Bernard Wolfenson (F), A. B. Wisconsin 1901.—Baltimore.

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1903

(*February* 22.)

James McIntosh Johnson, S. B. Newberry 1902.—Student-Asst. Chem.
Ivey Foreman Lewis (F), A. B. Univ. of N. C. 1902.—Bruce Fellow.

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DOCTOR OF MEDICINE

When no institution is mentioned, the degree or position refers to the Johns Hopkins University or the Johns Hopkins Hospital. *Deceased.

1897

Charles Russell Bardeen, A. B. Harvard 1893; Asst. Assoc. and Assoc. Prof. 1897-1904.—Prof. Anatomy, Univ. of Wis. Madison.

Thomas Richardson Brown, A. B. 1892, House Officer 1897-98.—Asst. Phys.; Assoc. Medicine; Physician, Balt.

***Walter S. Davis, S. B. Amherst 1893; House Officer 1897-98.**

Louis Philip Hamburger, A. B. 1893; House Officer 1897-98.—Assoc. and Asst. Phys.; Physician, Balt.

Guy LeRoy Hunner, S. B. Wisconsin 1893; House Officer 1897-98; Res. Gynecol. and Instr. 1900-02. —Assoc. Gynecology; Physician, Balt.

Irving Phillips Lyon, A. B. Yale 1893; House Officer 1897-98.—Instr. Clin. Med. and Librarian, Med. Library, Univ. of Buffalo; Physician, Buffalo.

William George MacCallum, A. B. Toronto 1894; House Officer 1897-98, Assoc. Pathol. 1900-01.—Res. Pathol.; Assoc. Prof. Pathol.

Charles Nell McBryde, S. B. Univ. of S. Carolina 1891; M. S. Va. Polytech. 1892.—Bacteriol. Dept. of Agric. Washington.

James Farnandis Mitchell, A. B. 1891; House Officer 1897-98; Res. Surg. and Instr. Surg. 1900-02.—Surgeon, Washington.

Joseph Longworth Nichols, A. B. Harvard 1893; Fellow, Pathol. 1897-98.—Saranac Lake, N. Y.

Eugene Lindsay Opie, A. B. 1893, House Officer 1897-98, Fellow, Asst. Instr. Assoc. Pathol. 1898-1904.—Member Rockefeller Inst. N. Y.; Dem. Columbia; Co-Editor, *Jour. of Exper. Med.*

Mary Secord Packard, A. B. Vassar 1892; House Officer 1897-98.—Physician, Providence, R. I.

Omar Borton Pancoast, S. B. Swarthmore 1893; House Officer 1897-98. —Asst. Surgeon; Physician, Balt.

Clement Andariese Penrose, A. B. 1893, House Officer 1897-98.—Physician, Balt.

Richard Pearson Strong, Ph. B. Yale 1893; House Officer 1897-98.—Director, Gov't Biol. Lab.; Prof. Philippine Med. Sch., Manila.

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1898

William Stevenson Baer, A. B. 1894, House Officer and Asst. Res. Surgeon 1898-1900.—Visiting Orthoped. Surg. Cambridge Hosp. and Union Prot. Infirmary; Orthoped. Surgeon; Assoc.; Surgeon, Balt.

William Jephtha Calvert, A. B. Univ. of Ky. 1893; Lecturer, Washington Univ. 1902-03.—Asst. Prof. Internal Med. Univ. of Mo. Columbia.

Patrick Joseph Cassidy, A. B. Yale 1894.—Visiting Surg. Mem. Hosp. and Phys., New London, Conn.

John Williams Coe, Ph. B. Yale 1893. —Asst. Clin. Pathol. Cornell Univ.; Physician, N. Y.

Percy Millard Dawson, A. B. 1894, Fellow, Asst. Instr. Assoc. 1898-1904.—Assoc. Prof. Physiol.

Arthur Wells Elting, A. B. Yale 1894; House Officer 1898-99.—Clin. Prof. Surg. and Lecturer, Surg. Pathol. Albany Med. School; Surgeon, Albany, N. Y.

William Webber Ford, A. B. Adelbert 1893; House Officer 1898-99; Fellow, McGill 1899-1901, and Rockefeller Inst. 1901-02.—Assoc. Prof. Bacteriol. and Lecturer, Hygiene.

Thomas Wood Hastings, A. B. 1894, House Officer 1898-99.—Prof. Clin. Pathol. Cornell; Physician, N. Y.

Alfred Birch Herrick, A. B. Williams 1894; House Officer 1898-99. —Chief Surgical Clinic, Ancon Hosp. Canal Zone.

James Hall Mason Knox, Jr. A. B. Yale 1892 and Ph. D. 1894; A. M. Lafayette 1896; House Officer 1898-99.—Instr. Pediatrics; Physician in Charge, Thomas Wilson Sanitarium; Physician, Balt.

Millard Langfeld, A. B. 1893.—Prof. Bacteriol. and Clin. Med. Creighton Med. Coll.; Bacteriol., Omaha Board of Health; Phys., Omaha, Neb.

Gertrude Underhill Light, S. B. Wisconsin 1894.—Sanitary Inspector, Tenement House Dept., N. Y.

James Daniel Madison, S. B. Wisconsin 1894; House Officer 1898-99.—Prof. Med., Wis. Coll. of P. & S.; Physician, Milwaukee.

Harry Taylor Marshall, A. B. 1894, House Officer 1898-99, Fellow 1899-1900, Asst. Res. Pathol. 1900-03, Asst. and Instr. 1900-06.—Prof. Pathol, Sec. and Registrar, Philippine Med. Sch., Manila.

Roger Griswold Perkins, A. B. Union 1893 and Harvard 1894.—Asst. Prof. Pathol, Western Reserve Univ.; Physician, Cleveland.

Katherine Porter, A. B. Bryn Mawr 1894.—Physician, Orange, N. J.

Joseph Hersey Pratt, Ph. B. Yale 1894; A. M. Harvard 1901.—Asst. Theory and Practice of Physic, Harvard; Physician, Boston.

Georgiana Sands, A. B. Vassar 1893; House Officer 1898-99.—Physician, Port Chester, N. Y.

Benjamin Robinson Schenck, A. B. Williams 1894; House Officer 1898-1902; Res. Gynecologist and Instr. 1902-03.—Physician, Detroit, Mich.

Walter Ralph Steiner, A. B. Yale 1892 and A. M. 1895; House Officer 1898-99.—Pathologist and Bacteriologist, Hartford Hosp.; Physician, Hartford, Conn.

Emma Elizabeth Walker, A. B. Smith 1887.—Physician, N. Y.

Andrew Henderson Whitridge, S. B. Harvard 1894; House Officer 1898-99.—Asst. Physician; Physician, Balt. (22)

1899

Edward Erie Brownell, Ph. B. Yale 1895; House Officer 1899-1900.—Physician, San Francisco.

Humphrey Warren Buckler, A. B. 1895; House Officer 1899-1900; Asst. 1900-06.—Asst. Physician; Prof. Med. Woman's Med. Coll.; Physician, Balt.

Rufus Ivory Cole, S. B. Mich. 1896; House Officer 1899-1900.—Asst. Physician; Assoc. Med.; Physician, Balt.

John Staige Davis, Ph. B. Yale 1895; House Officer 1899-1900.—Asst. Surgeon; Physician, Balt.

Charles Phillips Emerson, A. B. Amherst 1894; House Officer 1899-1900; Instr. 1900-03.—Res. Physician; Assoc. Medicine.

Blanch Nettleton Epler, S. B. California 1895.—Physician, Kalamazoo, Mich.

Joseph Erlanger, S. B. California 1895; House Officer 1899-1900; Fellow, Asst. Instr. Assoc. Prof. 1900-06.—Prof. Physiol. Univ. of Wisconsin, Madison.

Philip Saffery Evans, Jr. A. B. Yale 1895; Clin. Asst. Surg. 1900-01.—Med. Missionary, Yangchow, China.

Richard Holden Follis, Jr. Ph. B. Yale 1895; Res. Surgeon and Instr. 1902-05.—Surg. in charge; Assoc. Surgery; Surgeon, Balt.

Frank Taylor Fulton, S. B. Knox 1894; A. B. 1895.—Pathologist and Director Pathol. Lab. R. I. Hosp.; Instr. Brown Univ.; Physician, Providence.

*James Daton Gallagher, A. B. 1895.

Henry Harris, A. B. Stanford 1895; House Officer 1899-1900.—Instr. Med. and Chief of Med. Clinic, Cooper Med. Coll.; Physician, San Francisco.

Henry Joseph Hoye, A. B. Brown 1895.—Surgeon, Out-Patient Dept. St. Joseph's Hospital; Physician, Providence.

Louis Williams Ladd, A. B. Yale 1895.—Lecturer, Clin. Micros. Western Reserve Univ.; Clin. Microscopist, Lakeside Hosp. Cleveland.

Charles Sumner Little, A. B. Wabash 1894.—Physician, Petersburg, Ind.

John Arthur Luetscher, S. B. Wisconsin 1895; House Officer 1899-1900.—Asst. Physician and Instr. Med.; Physician, Balt.

Frank Allemong Lupton, S. B. Ala. Polytech. 1891.—Assoc. Prof. Obstetrics, Birmingham Med. Coll. Ala.

Frank Worthington Lynch, A. B. Adelbert 1895; Res. Obstetrician, Chief of Obstet. Clinic, Assoc. 1900-03.—Asst. Prof. Obstetrics, etc. Rush. Med. Coll. Chicago.

Chester Lea Magee, A. B. Stanford 1895.—Assoc. Physiol. Coll. of P. and S.; Physician, Los Angeles, Cal.

Hugh Miller Moore, S. B. and M. S. Miami 1895.—Med. Director, Miami Univ.; Physician, Oxford, O.

*Charles Williams Ottley, A. B. Princeton 1893; Prof. Biol. and Physician, Robert Coll. Constantinople, 1901-04; Physician and Surg. Anatolia Coll. Hosp. Marsovan, Turkey, 1904-05.

Paul Octavius Owsley, Ph. B. Yale 1895.—Instr. Clin. Gynecol. Northwestern Med. School; Attending Surg. Cook Co. Hosp.; Physician, Evanston, Ill.

Jacob Hall Pleasants, A. B. 1895; House Officer 1899-1900.—Assoc. Prof. Coll. of P. and S.; Asst. Phys.; Instr. Med.; Physician, Balt.; Prest. Supervisors of City Charities.

Sylvan Rosenheim, A. B. 1895, Asst. and Clin. Asst. 1903-07.—Physician, Balt.

John Albertson Sampson, A. B. Williams 1895; House Officer 1899-1900; Res. Gynecologist and Asst. Gynecol. 1902-04.—Gynecologist, Albany Hosp.; Clin. Prof. Gynecol. Albany Med. School; Physician, Albany.

Halbert Severin Steensland, S. B. Wisconsin 1895.—Assoc. Prof. Pathol. and Director, Pathol. Lab. Syracuse Univ. N. Y.

William Ridgely Stone, A. B. Princeton 1895.—Asst. Visiting Obstetrician, Maternity Hosp. Blackwell's Island; Physician, N. Y.

Edgar Randolph Strobel, A. B. 1895, Externe 1899-1900.—Clin. Prof. Balt. Med. Coll.; Instr. and Clin. Asst. Dermatol.; Physician, Balt.

Frederick Herman Verhoeff, Ph. B. Yale 1895; Harvard (A. M. 1902, Asst. 1900-02).—Pathologist, Mass. Charitable Eye and Ear Infirmary; Physician, Boston.

William Whitridge Williams, A. B. 1895; Asst. Prague 1900-01, Harvard 1901-03.—Asst. Pharmacol. Western Reserve, Cleveland.

Sarah Delia Wyckoff, S. B. Wellesley 1894; House Officer 1899-1900.—Physician, Wilkes-Barre, Pa.

John Lawrence Yates, Ph. B. Yale 1894; S. B. Wisconsin 1895; House Officer and Asst. Res. Surg. 1899-01; Asst. Pathol. 1901-02; Asst. Demonstrator, Univ. of Pa. 1902-03.—Surgeon, Milwaukee. (32)

1900

Joseph Akerman, A. B. Univ. of Ga. 1894.—Surgeon, Wilmington, N. C.

Herbert Williams Allen, S. B. California 1896; House Officer 1900-01.—Instr. Clin. Pathol. Univ. of Cal.; Physician, San Francisco.

Mabel Fletcher Austin (Mrs. Southard), S. B. Minnesota 1896.—Assoc. Prof. Hygiene and Med. Examiner, Wellesley Coll. Mass.

Alma Emerson Beale, A. B. Wellesley 1891; Externe 1900-01.—Physician, Schaghticoke, N. Y.

***Milton Bettmann, A. B. Harvard 1897; House Officer 1900-01.**

Evelyn Briggs, A. B. Stanford 1896.—Sacramento, Cal.

Lawrason Brown, A. B. 1895.—Physician, Saranac Lake, N. Y.

Herman Brulle, A. B. and S. B. Hampden-Sidney 1895; Externe 1900-01.—Asst. Physician; Medical Agent for City Charities; Physician, Baltimore.

Curtis Field Burnam, A. B. Central (Ky.) 1895; House Officer, Asst. Res. and Res. Gynecologist 1900-04.—Asst. Gynecol.; Physician, Balt.

Arthur Smith Chittenden, A. B. Yale 1896.—Asst. Pathol. Columbia; Physician, N. Y.

Henry Asbury Christian, A. B. and A. M. Randolph-Macon 1895; A. M. Harvard 1903.—Asst. Prof. Theory and Prac. of Physic. Harvard; Chief Phys. Carney Hosp.; Physician, Boston.

William Remehart Dancy, S. B. Univ. of Ga. 1896.—Member, Attending Staff, Savannah Hosp.; Physician, Savannah, Ga.

Frank Curtiss Davis, A. B. Amherst 1905.—Physician, Los Angeles, Cal. (*Degree granted December* 4, 1899.)

Augustus Hartje Eggers, Ph. B. Yale 1896.—Physician, Ambridge, Pa.

Henry Courtney Evans, A. B. Adelbert 1896.—Physician, Youngstown, O.

Rose Fairbank (Mrs. Beals), A. B. Smith 1895.—Physician, Sholapur, India.

Clarence B. Farrar, A. B. Harvard 1896.—Asst. Physician and Director of Lab. Sheppard Hosp, Balt.; Instr. Psychiatry; Lecturer, Physiol. Psychology.

Arthur Lawrence Fisher, S. B. California 1896; House Officer 1900-01; Fellow, Rockefeller Inst. 1901-02.—Asst. Visiting Surg. Mt. Zion Hosp.; Physician, San Francisco.

William Alexander Fisher, Jr., A. B. Princeton 1896; House Officer 1900-01.—Asst. Surgeon; Physician, Balt.

Howard Fletcher, A. B. Randolph-Macon 1895; Instr. Univ. Coll. of Med. Richmond 1902-03.—Physician, Fairfax, Va.

Joseph Marshall Flint, S. B. Chicago 1895; A. M. Princeton 1900; Assoc. Chicago 1900-01; Prof. Anat. California 1901-07.—Prof. Surg. Yale.

William Patrick Healy, Ph. B. Yale 1896.—Asst. Prof. Surg. Fordham Univ; Asst. Vanderbilt Clinic; Clin. Instr. Gynecol. Coll. P. and S.; Physician, N. Y.

***William Faithful Hendrickson, A. B. 1896; Asst. Dem. Pathol. Univ. of Pa. 1900-02.**

Albion Walter Hewlett, S. B. California 1895.—Asst. Prof. Med. Cooper Med. Coll.; Physician, San Francisco.

William Crissey Kellogg, A. B. Yale 1896.—Prof. Physiol. and Lecturer Dermatol. Univ. of Ga.; Physician, Augusta, Ga.

Preston Kyes, A. B. Bowdoin 1896.—Asst. Prof. Exper. Pathol. Univ. of Chicago.

Leona Lebus, S. B. Wellesley 1899.—Los Angeles, Cal.

Warren Harmon Lewis, S. B. Mich. 1894; Asst. Instr. Assoc. 1900-04.—Assoc. Prof. Anatomy.

Harry Wilson Little, S. B. Wabash 1896.—Physician, Evansville, Ind.

Ellen Louise Lowell (Mrs. Stevens), A. B. Stanford 1896.—Physician, Jacksonville, Fla.

***John Bruce MacCallum, A. B. Toronto 1896; Asst. Anat. 1900-02; Asst. Prof. Physiol. Univ. of Cal. 1902-05.**

Mary Wilbur Marvell, S. B. Wellesley 1894.—Physician, Fall River, Mass.

Clara Meltzer (Mrs. John Auer), A. B. Barnard 1896.—Asst. Surg. N. Y. Eye and Ear Infirmary; Physician, N. Y.

Clelia Duel Mosher, A. B. Stanford 1893.—Physician, Palo Alto, Cal.

Hannah Glidden Myrick, A. B. Smith 1896.—Asst. Physician, N. Eng. Hosp. Roxbury; Physician, Dorchester, Mass.

***Edward Spiller Oliver, A. B. 1895.**

Richard Foster Rand, Ph. B. Yale 1895; House Officer 1900-01.—Asst. Surg'l and Gynecol. Clinics and Asst. Obstet. New Haven Hosp.; Physician, New Haven, Conn.

Dorothy M. Reed (Mrs. Charles E. Mendenhall), B. L. Smith 1895; House Officer 1900-01, Fellow, Path. 1901-02.—Madison, Wis.

Glanville Yelsley Rusk, A. B. 1896; House Officer 1900-01, Asst. and Clin. Asst. 1902-03.—Pathol. Inst. Ward's Island, N. Y.

Florence Rena Sabin, S. B. Smith 1893; House Officer 1900-01, Holder of Woman's Fellowship in Anatomy 1901-02, Asst. Instr. Assoc. 1902-05.—Assoc. Prof. Anatomy.

William Francis Mattingly Sowers, A. B. Princeton 1896; House Officer, Asst. Res. and Res. Surg. 1900-05; Asst. and Instr. 1905-07.—Physician, Washington.

Ellen Appleton Stone, A. B. Radcliffe 1895; A. M. Brown 1896.—Physician, R. I. Hosp.; Physician, Providence.

Mortimer Warren, A. B. Bowdoin 1896.—Asst. Clin. Pathol. Cornell; Physician, N. Y.

Paul Gerhardt Woolley, S. B. Chicago 1896; House Officer 1900-01; Fellow, McGill, 1901-02; Pathologist, Gov't Biol. Lab. Manila, 1902-06.—Chief Insp. Health and Med. Adviser, Dept. of Interior, Bangkok, Siam. (44)

1901

*Alexander Montague Atherton, A. B. Wesleyan 1897.

Frederick Henry Baetjer, A. B. 1897; House Officer 1901-02.—Assoc. and Asst. Res. Surg. in charge of Actinographic Dept.; Surgeon, Balt.

William Dwight Baldwin, A. B. Yale 1897; Clin. Asst. Med. 1901-02.—Physician, Honolulu, H. I.

John McWilliams Berry, S. B. Cornell 1897; House Officer 1901-02.—Orthopedist, Samaritan Hosp.; Physician, Troy, N. Y.

Walter Herbert Blakeslee, A. B. Amherst 1897.—Asst. Med. Examiner, Penna. R. R. Relief Dept. Philadelphia.

Horace Dechamps Bloombergh, A. B. Lafayette 1897.—1st Lt. and Asst. Surg. U. S. A. and Pathologist, Division Hosp. Manila, P. I.

Thomas Richmond Boggs, S. B. Univ. of Ga. 1896; House Officer 1901-02.—Asst. Res. Phys. in charge of Clin. Lab.; Assoc. in Medicine.

John Robert Bosley, A. B. Western Md. 1896.—First Lieut. and Asst. Surg. U. S. A. Ft. Casey, Wash.

Charles Henry Bunting, S. B. Wisconsin 1896; House Officer 1901-02; Asst. Dem. Univ. of Pa. 1902-03; Instr. and Assoc. 1903-06, Asst. Res. Pathol. 1904-06; Prof. Univ. of Va. 1906-08.—Prof. Pathol. Univ. of Wis. Madison.

Joel Ives Butler, Ph. B. Yale 1897; Externe, Asst. Anat., Clin. Asst. Surg. 1902-04.—Asst. Surg. Mercy Hosp.; Surgeon, Springfield, Mass.

Harry Wardell Carey, A. B. Yale 1897; Asst. Bender Hygienic Lab. Albany 1901-03.—Instr. Surg. Pathol. Albany Med. Sch.; Asst. Attending Phys., Samaritan Hosp. Troy, N. Y.

Eleanor Sarah Chace, S. B. Wellesley 1894.—Physician, Fall River, Mass.

Robert Thornton Comer, A. B. Univ. of Ala. 1896.—Physician, Birmingham, Ala.

Guy Leartus Connor, A. B. Williams 1897.—Physician, Detroit, Mich.

Ray Connor, A. B. Williams 1897.—Clin. Prof. Ophthalmol. and Otol., Detroit Coll. of Med.; Physician, Detroit, Mich.

George Silas Drake, Jr. A. B. Yale 1897.—Physician, St. Louis.

Adelaide Dutcher, S. B. Wisconsin 1897.—Asst. Obstetrician, Hosp. for Women and Children, and Physician, Syracuse, N. Y.

Harry Atwood Fowler, S. B. Minnesota 1895; House Officer and Clin. Asst. 1901-03.—Assoc. Skin Diseases, Eastern Disp. and Casualty Hosp.; Prof. Genito-Urinary Diseases, Howard Univ.; Physician, Washington.

Frederick Parker Gay, A. B. Harvard 1897; Fellow, Rockefeller Inst.; Asst. Dem. Univ. of Pa. 1901-03.—Asst. Pathol. Harvard.

Neil Duncan Graham, A. B. 1897.—Asst. Prof. Obstetrics and Gynecol. Howard Univ.; Physician, Wash.

Gardner Wells Hall, A. B. Harvard 1898; Clin. Asst. Med. 1901-02.—Physician, Boston.

Louis Virgil Hamman, A. B. Rock Hill 1896.—Physician in charge Phipps Disp.; Instr. Med.; Physician, Baltimore.

Rolland Frederick Hastreiter, S. B. Wisconsin 1897; House Officer, Clin. Asst. 1901-02; Asst. Anat. Wis. Coll. of P. & S. 1903-04.—Physician, Los Angeles, Cal.

Joseph Henry Hathaway, A. B. Iowa Coll. 1894; A. B. Harvard 1896; House Officer 1901-02.—Physician, Ithaca, N. Y.

James Morley Hitzrot, A. B. Princeton 1897; House Officer 1901-02.—Instr. Surg. Cornell; Physician, N. Y. Training Sch.; Asst. Attend. Surg. Bellevue Hosp.; Physician, N. Y.

Gerry Rounds Holden, A. B. Yale 1897; Res. Gynecologist and Asst. 1903-05.—Physician, Jacksonville, Fla.

Edward Hicks Hume, A. B. Yale 1897; John W. Garrett Internat. Fellow, Univ. Coll. Liverpool 1901-02; Asst. Surg. and Clin. Asst. Med. 1902-03.—Physician in charge Med. Dept. Yale Coll. in China, Changsha, Hunan Prov.

William Bernard Johnston, A. B. Harvard 1897; Asst. Res. Pathologist 1901-02.

Harry M. Kaufman, A. B. 1897.—Consult. Physician, German Orphan Asylum; Dem. Pathol. and Bacteriol. George Washington Univ. and Physician, Washington.

Theodore Lamson, Ph. B. Yale 1897.—First Lieut. and Asst. Surg. U. S. A. Manila, P. I.

Dwight Milton Lewis, A. B. Yale 1897.—Clin. Instr. Med. New Haven Disp. and Yale Med. Sch.; Physician, New Haven, Conn.

Warfield Theobald Longcope, A. B. 1897.—Director, Ayer Clin. Lab. Pa. Hosp.; Instr. Md. Univ. of Pa.

William Harvey Maddren, S. B. Brooklyn Polytech. 1896.—Asst. Visiting Surg. Kings County, Coney Island, and Bradford St. Hospitals; Physician, Brooklyn.

Elizabeth Sutton Moore, S. B. Wilson Coll. (Pa.) 1895.—Pathologist, Passavant Hosp.; Physician, Pittsburg.

Henry Pickering Parker, A. B. 1896; Dem. Western Reserve Univ. 1901-02; Clin. Asst. 1904-05.—Asst. to Prof. Clin. Med. Georgetown Med. Sch.; Asst. Emergency Hosp.; Physician, Washington.

Maurice J. Rubel, S. B. Chicago 1897; House Officer 1901-02.—Physician, Chicago.

John Cleveland Salter, A. B. Yale 1897.—Instr. Washington Univ.; Clin. Asst. Wash. Univ. Hosp.; Physician, St. Louis.

Mabel Palmer Simis (Mrs. H. L. Ulrich), S. B. Cornell 1897.—Physician, Minneapolis.

Josiah Morris Siemons, A. B. 1897; House Officer, 1901-02.—Assoc. Obstetrics; Physician, Balt.

Herbert Meloy Smith, A. B. Roanoke 1892.—Capt. and Asst. Surg. U. S. A. Fort Apache, Ariz.

Charles Nelson Spratt, S. B. Minnesota 1897; House Officer 1901-02.—Attend. Ophthalmologist and Otologist, City Hosp. and Asbury M. E. Hosp. Disp.; Physician, Minneapolis.

Albert Louis Steinfeld, A. B. 1897.—Lecturer, Toledo Med. Coll.; Physician, Toledo, O.

Carlotta Mary Swett (Mrs. C. H. Bunting), A. B. Wellesley 1896.—Madison, Wis.

Henry Ludwig Ulrich, S. B. Rutgers 1897; Prof. Pathol. and Histol. Univ. of Dallas 1901-02.—Pathologist, Swedish Hosp.; Instr. Clin. Micros. Univ. of Minn.; Physician, Minneapolis.

Albert James Underhill, A. B. 1897.—Clin. Asst. Surg.; Physician, Balt.

Marian Bartholow Walker (Mrs. Williams), A. B. Radcliffe 1898.—Physician, Hartford, Conn.

Louis Marshall Warfield, A. B. 1897; House Officer 1901-02.—Instr. Clin. Micros. Washington Univ.; Pathologist Bethesda Hosp.; Physician, St. Louis.

George William Warren, A. B. 1897.—Physician, N. Y.

Stephen Hurt Watts, A. M. Randolph-Macon 1896; House Officer 1901-02, Asst. Res. and Res. Surg. 1902-07.—Prof. Surg. Univ. of Va. Charlottesville.

Ernest Alden Wells, A. B. Yale 1897.—Asst. Visiting Surg. Hartford Hosp.; Physician, Hartford, Conn.

***Mabel Wells, A. B. Wellesley 1896.**

John Montgomery West, A. B. 1896.—Asst. Laryngol. etc.; Physician, Balt.

Charles Knickerbacker Winne, Jr., A. B. 1897; Externe and Acting House Officer 1901-03.—Instr. Albany Med. Coll.; Physician, Albany, N. Y. (53)

1902

John Auer, S. B. Mich. 1898; House Officer 1902-03; Instr. Harvard 1906-07.—Asst. Rockefeller Inst.; Physician, N. Y.

John Bradford Briggs, Jr. S. B. New York Univ. 1898; House Officer 1902-03, Asst. Med. 1903-04.—Asst. Physiol. Georgetown Univ.; Physician, Washington.

Bennet Bernard Browne, Jr. A. B. 1898.—Clin. Asst. Ophthalmol. etc.; Consult. Physician, Emerg. Hosp. Annapolis; Physician, Balt.

Robert Martin Bruns, A. B. Univ. of Va. 1896.—Physician, Balt.

William Morgan Case Bryan, A. B. Washington Univ. 1897; M. S. Mich. 1898.—Asst. Otology, etc. St. Louis Univ. and Jewish Hosp. Disp.; Asst. Ed. *The Laryngoscope;* Physician, St. Louis.

Camillus Bush, S. B. California 1898; House Officer and Asst. Res. Surg. 1902-04.—Visit. Surg. St. Helena Sanitarium; Instr. Surg. Univ. of Cal.; Surgeon, San Francisco.

John Woolman Churchman, A. B. Princeton 1898; House Officer 1902-03, Clin. Asst. 1904-05.—Asst. Res. Surg.

Thomas Wood Clarke, A. B. Harvard 1899; House Officer 1902-03.—Fellow, Rockefeller Inst. N. Y.

Henry Wireman Cook, A. B. 1898; House Officer 1902-03.—Physician, Minneapolis.

Jacob Jones Coons, S. B. Ohio Wesleyan 1898.—Asst. Starling Med. Coll.; Pathologist, Grant Hosp.; Physician, Columbus, O.

Gustavus Charles Dohme, A. B. 1898.—Assoc. Prof. Chem. Maryland Med. Coll.; Physician, Balt.

David Hough Dolley, A. B. Randolph-Macon 1897.—Prof. Histol. and Pathol. Univ. of N. C. Chapel Hill.

Ralph Duffy, A. B. 1898.—Pathologist, Western Pa. Hosp.; Physician, Pittsburg.

John Dunlop, S. B. Princeton 1898; Externe 1902-03.—Asst. to Prof. Surg. Georgetown Univ.; Physician, Washington.

William Gage Erving, A. B. Yale 1898.—Orthoped. Surg. Providence Hosp.: Prof. Orthoped. Surg. Howard Univ.; Phys., Washington.

Newell Simmons Ferry, Ph. B. Yale 1898.—Asst. Med. Memphis Hosp. Med. Coll.; Physician, Memphis, Tenn.

Nellis Barnes Foster, S. B. Amherst 1898.—Instr. Biol. Chem., Coll. of P. & S.; Physician, New York.

William Willoughby Francis, A. B. 1898, Asst. 1904-5.—Clin. Asst. Royal Victoria Hosp.; Asst. Dem. Pathol. McGill Univ.; Physician, Montreal.

Maurice Albert Frankenthal, A. B. Washington Univ. 1898.—Pathologist, Bethesda Homes; Asst. Surg. Washington Univ. Disp.; Physician, St. Louis.

W. Harry Glenny, Ph. B. Yale 1894. —Dem. Pathol. Univ. of Buffalo; Asst. Attend. Phys. Buffalo Genl. Hosp.; Physician, Buffalo.

Clarence Foster Hardy, B. L. Wisconsin 1891.—Assoc. Surgery, Wisc. Coll. P. & S.; Physician, Milwaukee.

Morrison LeRoy Haviland, Ph. B. Union 1898; House Officer 1902-03.—Asst. Parks Hosp.; Physician, Glens Falls, N. Y.

Mabel Stevens Haynes, A. B. Bryn Mawr. 1898.—Physician, Boston.

Leonard Keene Hirshberg, A. B. 1898. —Assoc. Nerv. Dis. and Instr. Bacteriol. Coll. of P. and S.; Chief, Nerv. Clinic, City Hosp.; Physician, Balt.

Carl Herman Horst, A. B. Stanford 1898; House Officer 1902-03.—Physician, Butte, Mont.

Solomon Hyman, S. B. California 1898.—Instr. Surg. Cooper Med. Coll.; Surgeon, San Francisco.

William Frederick Jelke, Ph. B. Yale 1898.—Physician, Cincinnati.

Thomas Monroe Jones, A. B. Indiana 1898.—Surgeon, Anderson, Ind.

Alfred Karsted, A. B. Stanford 1898. Res. Physician, Murray Hosp. Butte, Montana.

Arthur Herbert Kimball, S. B. Amherst 1897.—Visiting Oculist Governm't Hosp. for Insane; Asst. Ophthalmol. Episcopal Eye and Ear Hosp.; Physician, Washington.

Louis Chas. Lehr, A. B. 1898; Clin. Asst. Surg. 1902-04.—Physician, Washington.

Edward McCrady L'Engle, A. B. St. John's 1897.—Pathologist, Polyclinic Hosp.; Asst. Pathologist, Phila. Hosp.; Physician, Phila.

George Victor Litchfield, Jr. A. M. Randolph-Macon 1897.—Surgeon, Kimball, W. Va.

Emma Lootz (Mrs. W. G. Erving), A. B. Smith Coll. 1897.—Physician, Washington.

Seymour DeWitt Ludlum, S. B. Rutgers 1897.—Asst. Neurol. Phila. Polyclinic; Pathologist, Frankford Gen. Hosp.; Instr. Neuro.-Pathol., Univ. of Pa.; Physician, Philadelphia.

Annie Galloway Lyle, A. B. Stanford 1895.—Physician, San Francisco.

George Malcolm MacGregor, S. B. Wisconsin 1894.—House Officer, Church Home, Balt.

Samuel Andrew Marshall, A. B. Yale 1898.—Asst. Dermatologist, L. I. Coll. Hosp.; Physician, Brooklyn, N. Y.

John Scott McFarland, Ph. B. Yale 1898.—Physician, Buffalo, N. Y.

Edmund Webster Meisenhelder, A. B. Pa. Coll. 1898; House Officer, 1902-03.—Physician, York, Pa.

John Elmer Meisenhelder, S. B. Pa. Coll. 1897.—Res. Surg. Soldiers' Home, Washington.

*Henry William Ochsner, S. B. Wisconsin 1898; House Officer 1902-03.

Edward Hiram Reede, A. B. Cornell 1898.—Physician, Washington.

Edwin Nicholas Riggins, A. B. Williams 1897.—Physician, E. Orange, N. J.

Carey Pegram Rogers, A. B. Wake Forest 1897; House Officer 1902-03.—Chief Surg. St. Luke's Hosp.; Surg. Jacksonville, Fla.

Stephen Rushmore, A. B. Amherst 1897; Externe and Asst. Res. Gynecologist, 1902-03; Res. Gynecologist and Asst. 1905-06.—House Officer, Boston Lying-in Hosp.

George Barr Scholl, A. B. 1898; Externe 1902-03.—Prof. Pathol. Md. Med. Coll.; Pathol. Franklin Sq. Hosp.; Health Officer, City Board of Health; Physician, Balt.

Melville Silverberg, A. B. California 1897; Asst. Physiol. Chem. Cooper Med. Coll. 1902-03.—Physician, San Francisco.

John Nathan Simpson, A. B. Univ. of Nashville 1893.—Prof. Physiol. W. Va. Univ.; Physician, Morgantown.

Harry Merriman Steele, Ph. B. Yale 1894.—Asst. Pediatrics and Pathol. Yale Med. Sch.; Physician, New Haven.

Alice Weld Taliant, A. B. Smith Coll. 1897.—Prof. Obstetrics, Woman's Med. Coll.; Physician, Phila.

Condit Brewer Van Arsdall, A. B. Ky. Wesleyan 1894; A. B. Mich. 1898.—Physician, Harrodsburg, Ky.

John Van Denburgh, A. B. Stanford 1894, and Ph. D. 1897.—Visiting Phys. King's Daughters' Home; Asst. Visit. Gynecol. St. Luke's Hosp.; Physician, San Francisco.

Otis Buckminster Wight, A. B. Stanford 1898; House Officer 1902-03. —Lecturer, Clin. Surg. Univ. of Oregon; Physician, Portland.

Clara Louise Williams, S. B. California 1897.—Physician, Berkeley, Cal.

Dudley Williams, A. B. 1897.—Asst. Phys.; Physician, Balt.

Charles Benjamin Wright, A. B. Univ. of N. Dak. 1898; House Officer 1902-03.—Clin. Instr. Pediatrics, Univ. of Minn.; Physician, Minneapolis. (57)

1903

Victor Hugo Bassett (F), A. B. Knox, 1896; Instr. Northwestern Univ. 1903-04; Fellow 1904-05.—Prof. Wisc. Coll. P. & S.; Assoc. Prof. Milwaukee Med. Coll.; Asst. Supt. and Res. Pathologist, Milwaukee Co. Hosp. Milwaukee.

Lewis Clyde Bixler, A. B. Lafayette 1899; House Officer 1903-04.—Physician, Pittsburg.

Elisabeth Hedges Blauvelt, A. B. Bryn Mawr 1896.—Med. Missionary, Amoy, China.

Clinton Ethelbert Brush, Jr. S. B. New York Univ. 1899; House Officer 1903-04, Asst. 1904-05.—Assoc. Prof. Med. Univ. of Nashville; Physician, Nashville, Tenn.

Joseph Albert Chatard, A. B. Loyola 1898.—Asst. Physician; Instr. Med.; Physician, Balt.

George Edward Chinn, Jr. S. B. Central (Mo.) 1899.—Clin. Asst. St. Vincent's Hosp.; Physician, Norfolk, Va.

Alfred Hull Clark, A. B. Cornell 1899.—Physician, Buffalo, N. Y.

William Burgess Cornell, A. B. Chicago 1899; Externe and Clin. Asst. 1903-04.—Asst. Phys. Sheppard Hosp., Towson, Md.

Emma Grace Dewey, S. B. Wellesley 1885.—Pathologist Passavant Mem. Hosp.; Physician, Jacksonville, Ill.

Harlan Dudley, Ph. B. Oberlin 1897.—Physician, Canton, O.

***Dana** Lee Eddy, A. B. Yale 1898.

Rhoades Fayerweather, A. B. Harvard 1899.—Asst. Orthopedic Surgeon; Physician, Balt.

John Somerville Fischer, A. B. 1898.—Chief Med. Clinic, St. Joseph's Hosp. Disp.; Assoc. Diseases of Children, Balt. Med. Coll.; Physician, Balt.

Frederick Julius Gaensien, S. B. Wisconsin 1899.—Physician, Milwaukee.

Lewis McFarland Gaines, A. B. and S. B. Hampden-Sidney 1898.—Prof. Anat. and Physiol. Wake Forest Coll. N. C.

John Timothy Geraghty, A. B. St. Thomas Coll. 1895; Ph. B. St. Paul Sem. 1897; House Officer 1903-04.—Physician, Balt.; Asst. Surgery.

Francis Colquhoun Goldsborough, S. B. Princeton 1899; House Officer, Asst. Res. Gynecologist, Res. Obstetrician 1903-07.—Physician, Balt.

Justin Frank Grant, Ph. B. Yale 1898.—Prof. Anat. and Pathol. Univ. of W. Va., Morgantown.

Louis Wardlaw Haskell, Jr. A. B. 1899, Asst. 1903-04.—Asst. Prof. Clin. Surg. Coll. of P. & S.; Physician, Memphis.

Arthur Douglass Hirschfelder, S. B. California 1897; House Officer 1903-04, Voluntary Asst. 1905-06.—Physician, Balt.; Instr. Med.

Ross Hopkins, A. B. and S. B. Campbell Univ. 1897; A. B. Kansas Univ. 1899.—Physician, St. Louis.

Henry Talbot Hutchins, A. B. Amherst 1899; House Officer 1903-04, Asst. Gynecol. 1906-07.—Res. Gynecologist.

Clement Levi Jones, S. B. Washington and Jefferson 1899.—Clin. Asst. Starling Med. Sch.; Pathologist, Hawkes Hosp.; Physician, Jamestown, O.

Louise Tayler Jones, A. B. Wellesley 1896; M. S. Columbian 1898.—Attend. Physician, Nat. Florence Home; Physician, Washington.

Albert Keidel, A. B. 1900; Clin. Asst. 1903-06.—Physician, Balt.

Maurice Lazenby, A. B. 1900.—Lecturer, Bacteriol. Woman's Med. Coll.; Assoc. Embryol. Maryland Med. Coll.; Physician, Balt.

Arthur Solomon Loevenhart, S. B. Ky. State Coll. 1898; Asst. and Assoc. 1903-06.—Assoc. Prof. Pharmacol., etc.

Henry D. Long, A. B. Washington and Jefferson 1894; House Officer 1903-04.—Physician, N. Y.

Margaret Long, A. B. Smith 1895.—Physician, Denver, Colo.

***Edward** Janney Sidwell Lupton, S. B. Columbian 1899.

Leo Augustine Lynch, A. B. Yale 1899.—Asst. Attend. Surgeon, Swedish Hosp.; Physician, Brooklyn, N. Y.

William Sanders Manning, S. B. Columbian 1899.—Physician, Jacksonville, Fla.

Watson Marshall, A. B. Princeton 1899.—Physician, Pittsburg.

Robert Talbott Miller, Jr. A. B. Amherst 1899; House Officer, Asst. Res. Surg. 1903-04.—Res. Surgeon; Instr. Surg.

Mary Elizabeth Morse, A. B. Woman's Coll. Balt. 1899.—Pathologist, N. Eng. Hosp., Boston.

Willis Bean Moulton, A. B. Bowdoin 1899; House Officer 1903-04.—Instr. Gynecol. Med. Sch. of Maine; Physician, Portland.

Harry Benjamin Neagle, A. B. Bowdoin 1899.—Asst. Phys., Loomis Sanatorium, Liberty, N. Y.

Selden Irwin Rainforth, S. B. Cincinnati 1899.—Physician, N. Y.

Theodore Foster Riggs, A. B. Beloit 1898; House Officer 1903-04.

Benjamin Franklin Riley, Jr. S. B. Univ. of Ga. 1898.—Physician, Thomson, Ga.

George Canby Robinson, A. B. 1899; Asst. Dem. Cornell 1903-04.—Res. Phys. Pa. Hosp., Philadelphia.

Marvin Pierce Rucker, A. M. Rand.-Macon 1899.—Dem. Physiol. Med. Coll. of Va.; Prest. Board of Health and Phys., Manchester, Va.

Ferdinand Schmitter, A. B. Union 1899; Instr. Anat. Univ. of Wis. 1903-05.—1st Lieut. and Asst. Surg. U. S. A. Fort Egbert, Alaska.

Oscar Theodore Schultz, A. B. Indiana 1897; Instr. Western Reserve Univ. 1904-06.—Visiting Pathologist, Charity Hosp.; Phys., Cleveland.

Winford Henry Smith, A. B. Bowdoin 1899.—Supt. Hartford Hosp. Hartford, Conn.

Alexander Raymond Stevens, A. B. 1896: House Officer 1903-04.—House Surg. Presb. Hosp. N. Y.

Catherine Hutchinson Travis, A. B. McGill 1895.—Pathologist New Britain Hosp.; Phys. New Britain, Conn.

Frank Hosford Watson, S. B. Wisconsin 1899; House Officer 1903-04.—Chief of Med. Clin. and Lecturer Clin. Med. Tulane; Phys., New Orleans.

Charles Whittier Young, S. B. Univ. of Ill. 1897; House Officer 1903-04.—Prof. Bacteriol. etc. Union Med. Coll. and Med. Missionary, Peking, China. (49)

1904

Jay Harvey Bacon, S. B. Knox 1900. —City Bacteriologist and Phys., Peoria, Ill.

Theodore Baker, A. B. Princeton 1900.—Phys., Pittsburg.

Robert Bennett Bean, S. B. Va. Polytech. 1900; Asst. 1904-05; Instr. Univ. of Mich. 1905-06.—Asst. Prof. Anat. Philippine Med. Sch. Manila.

Ruth Bennett (Mrs. L. S. Morgan), A. B. Univ. of Ill. 1899.—Asst. Phys. and Surg. Tsing Kiang Pu Hosp. Kiang-Su Prov. China.

John McFarland Bergland, S. B. Princeton 1900; House Officer 1904-05.—Asst. Res. Obstetrician; Asst. Obstetrics.

Maurice Buford Bonta, A. B. Ky. Wesleyan 1894; S. B. Mich. 1897; House Officer 1904-05.—Phys., Cleveland, O.

Walter Vernon Brem, Jr. S. B. N. Carolina 1896; House Officer 1904-05.—Phys. Ancon Hosp. Ancon, C. Z.

Julius Alexander Caldwell, Jr. S. B. N. Carolina 1899; House Officer 1904-05, Asst. Res. Gynecol. 1905-06.—Phys., Salisbury, N. C.

John Robert Carr, A. B. N. Carolina 1899; House Officer 1904-05, Asst. Res. Surg. 1905-06.—Surgeon, Durham, N. C.

DeWitt Bellinger Casler, A. B. Yale 1900; House Officer 1904-05.—Asst. Res. Gynecol.; Asst. Gynecol.

Ralph Torrey Edwards, A. B. Knox 1897.—Bacteriologist, Bureau of Science, Manila.

Anfin Egdahl, S. B. Wisconsin 1900. —Asst. Prof. Pathol. and Bacteriol. Univ. of Iowa, Iowa City.

Harold Gould Garwood, S. B. Univ. of Colo. 1900.—Surg. Gorham, Colo.

Herbert Ziegler Giffin, S. B. Princeton 1900; House Officer 1904-05. —Phys., Rochester, Minn.

Harry Seliger Greenbaum, A. B. 1899. Asst. Phys.; Asst. Med.; Phys., Balt.

Josephine Hemenway, A. B. Pritchett Coll. 1898; House Officer 1904-05. —Res. Phys. Babies' Hosp. N. Y.

William Raphael Miles Kellogg, A. B. Adelbert 1898.—Phys., Seattle, Wash.

Kenelm Julius Lee, S. B. Wisconsin 1900.—Phys., Fergus Falls, Minn.

John Marion Love, A. B. and B. L. Hampden-Sidney 1899. — Phys., Petersburg, Va.

Wilfred Hamilton Manwaring, S. B. Mich. 1895; Asst. Pathol. Chicago 1904-05.—Assoc. Prof. Pathol. etc. Indiana Univ. Bloomington.

Herman Weston Marshall, S. B. Mass. Inst. Tech. 1897; House Officer 1904-05.—Phys., Brockton, Mass.

William Carpenter McCarty, S. B. Ky. State Coll. 1900.—Pathol. St. Mary's Hosp. Rochester, Minn.

Ernest Clare McGouldrick, A. B. Yale 1900.—Clin. Asst. Barnes Hosp. Washington.

Lorenzo Seymour Morgan, S. B. Knox 1900.—Asst. Phys. and Surg. Tsing Kiang Pu Hosp. Kiang-Su Prov. China.

James Francis Morrison, A. B. Harvard 1900.—Res. Phys. Kings Co. Hosp. Brooklyn.

Norman Oscar Nelson, S. B. Wisconsin 1900.—Phys., Madison, Wis.

James Henry Randolph, A. B. Fla. State Coll. 1900.—Asst. Phys. Fla. Hosp. for Insane, Chattahoochee.

Jewett Villeroy Reed, S. B. Ky. State Coll. 1900; House Officer 1904-05. —Director, Neurol. Lab. Purdue Univ.; Phys., Indianapolis.

Charles Mallory Remsen, A. B. 1899; House Officer 1904-05, Asst. Res. Phys. 1905-06.—Surgeon, Balt.

William Gray Ricker, A. B. Yale 1900.—Phys., Wells River, Vt.

Esther Rosencrantz, A. B. Stanford 1899.

Ernest Sachs, A. B. Harvard 1900.—Interne, Mount Sinai Hosp. N. Y.

Orville Hickok Schell, A. B. Yale 1900.—Med. Missionary, Changsha, Hunan Prov. China.

Harry Russell Stone, Ph. B. Wesleyan 1899.—House Phys. and Surg. N. Y. Hosp.

Henry John Storrs, A. B. Amherst 1899; Interne and Asst. Res. Obstetrician 1904-07.—Res. Obstetrician; Asst. Obstetrics.

George Lane Taneyhill, Jr. A. B. 1900; Externe 1904-05.—Asst. Phys.; Asst. Med.; Phys., Balt.

Benjamin Taylor Terry, A. B. Vanderbilt 1898; Fellow, Pathol. Chicago 1904-05.—Fellow, Rockefeller Inst. N. Y.

William Lawton Thompson, A. B. Bowdoin 1899.—Phys. Tufts Med. Sch. Boston; Instr. Obstet.
George Thomas Tyler, Jr. A. B. Rand.-Macon 1896.—Surg. U. S. A. West Point, N. Y.
William Jerome Vogeler, A. B. Yale 1900.—Phys. Yonkers, N. Y.
Robert Glendenning Washburn, S. B. Wisconsin 1900.—Clin. Instr. Wisc. Coll. P. and S.; Phys., Milwaukee.
Louis Schneider Weaver, A. B. Pa. Coll. 1899 and Yale 1900.—Phys. York, Pa.
John Scott Willock, S. B. Princeton 1900.—Phys., Pittsburg.
Walter Scott Wilson, A. B. N. Ga. Agric. Coll. 1880; A. M. Univ. of Ga. 1884.—Phys., Savannah.
Winfred Wilson, A. B. Weatherford Coll. 1900.—Assoc. Prof. Pathol. and Prof. Phys. Diagnosis, Baylor Univ.; Phys., Dallas, Texas. (45)

1905

Ronald Taylor Abercrombie, A. B. 1901.—Director, Gymnasium; Lecturer, Woman's Med. Coll.; Phys., Balt.
Clarence Allen Baer, B. L. Wisconsin 1900.—Phys., Balt.
Leon Kahn Baldauf, A. B. 1901; Instr. Albany Med. Coll. 1905-07.—Asst. City Pathol. St. Louis.
Alice May Ballou, Ph. B. Brown, 1900.—Phys. Providence, R. I.
Khleber Heberden Beall, S. B. and M. S. Texas 1899; M. D. Fort Worth 1900; House Officer and Asst. Res. Phys. 1905-07.—Phys. Fort Worth, Texas.
Bertram Moses Bernheim, A. B. 1901.—Surgeon, Balt.; Surg. Externe.
Kosciusko Walker Constantine, A. B. 1901.—Surgeon, Birmingham, Ala.
Calvin Duvall Cowles, Jr. A. B. Guilford Coll. 1900, Univ. of N. Carolina 1901; House Officer 1905-06.—Surgeon, Army Med. Sch. Washington.
William Dick Cutter, A. B. Yale 1899.—Phys., Bisbee, Ariz.
Murray Snell Danforth, A. B. Bowdoin 1901.—Interne R. I. Hosp. Providence.
Otho Lee Dascombe, A. B. Bowdoin 1901.—Phys., Waltham, Mass.
Howard Irving Davenport, A. B. Hamilton 1901; Instr. Syracuse Univ. 1905-06.—County Bacteriol. Canandaigua, N. Y.
Homer J. Davidson, S. B. Wabash 1899.—Phys., Seattle, Wash.
Solon Arthur Dodds, Ph. B. Wesleyan 1901; House Officer 1905-06.—Asst. Res. Gynecologist.
Charles Edward Dowman, Jr. A. B. Emory 1901.—Student, Berlin.
John Augustine English Eyster, S. B. Md. Agric. 1899; Fellow, Asst. and Instr. 1905-07.—Assoc. Physiology.
Clifton Maupin Faris, A. B. Stanford 1900; House Officer 1905-06.—Phys., Sacramento, Cal.
Frederick Reynolds Ford, S. B. Colgate 1901; House Officer 1905-06.—Phys., Elmira, N. Y.
Allen Wier Freeman, S. B. Richmond Coll. 1899.—Phys., Richmond; Med. Inspector, Dept. of Health; Lecturer, Med. Coll. of Va.
Phillip Kingsnorth Gilman, A. B. Stanford 1901; Asst. Res. Surg. 1906-07.—Manila.
Sarah Mabel Grier, A. B. Bucknell 1901.—Phys., Trenton, N. J.
Edith Hale, A. B. Radcliffe 1901.—Phys., Boston.
Francis Jenks Hall, A. B. Yale 1899.—Med. Missionary, Peking, China; Instr. Union Med. Coll.
Julius Theodore Haller, S. B. Chicago 1901.—Davenport, Ia.
Helen Hempstead, A. B. Allegheny 1900.—Asst. Phys. Babies' Hosp. N. Y.
Norval Thomas Hepburn, A. B. Rand.-Macon 1900.—House Phys., Hartford Hosp. Conn.
Reuben Paul Higgins, A. B. Cornell 1902.—Phys., Cortland, N. Y.
Donald Russell Hooker, A. B. Yale 1899; Asst. 1906-07.—Instr. Physiol.
Henry Spencer Houghton, Ph. B. Ohio State 1901; Fellow, Rockefeller Inst. 1905-06.—Phys. and Surg., Wuhu, China.
Henry Marshall Lankford, A. B. Western Maryland 1901.—Phys., Princess Anne, Md.
George Bilton Lawson, A. M. Rand.-Macon 1899.—Res. Phys. Kings Co. Hosp. Brooklyn.
Eugene Joseph Leopold, A. B. 1901.—Physician, Balt.
David Marine, A. B. Western Md. 1900.—Phys., Cleveland.
Henry Augustus Martelle, A. B. Bowdoin 1901.—Phys. New Britain, Conn.
Archibald Leete McDonald, A. B. N. Dak. 1901.—Instr. Anat. and Physiol. Univ. of N. Dak.; Phys., Grand Forks.
Arthur William Meyer, S. B. Wisconsin 1898; Asst. and Instr. 1905-07.—Asst. Prof. Anat. Univ. of Minn., Minneapolis.
William Lorenzo Moss, S. B. Univ. of Ga. 1901; House Officer and Asst. Phys. 1905-07.—Student, Berlin.
Eugene Bishop Mumford, S. B. Wisconsin 1901.—Interne, Gouverneur Hosp. N. Y.
James Edgar Paullin, Jr. A. B. Mercer 1900.—Phys. Atlanta, Ga.; Asst. Prof. Pathol. Atlanta Coll. P. & S.; Asst. Bacteriol. State Board of Health.
George Edward Rehberger, A. B. 1901.—Phys. Sonyea, N. Y.
Lawrence Joseph Rhea, S. B. Texas 1901.—Interne, City Hosp. Boston.

Edward Henderson Richardson, A. B. Hampden-Sidney 1900; House Officer 1905-06.—Asst. Res. Gynecol.
Charles Ricksher, S. B. Parsons Coll. 1901.—Asst. Phys. Danvers Hosp. Hathorne, Mass.
Martin Philip Rindlaub, Jr. B. L. Wisconsin 1896. — Phys. Fargo, N. D.
Francis Peyton Rous, A. B. 1900; House Officer 1905-06. — Instr. Pathol. Univ. of Mich. Ann Arbor.
Oscar Menderson Schloss, S. B. Ala. Polytech. 1901.—Res. Phys. Child's Hosp. N. Y.
Robert Barnard Slocum, Ph. B. Rochester 1900; House Officer 1905-06. — Supt. Walker Hosp. Wilmington, N. C.
Lewis Frederic Smead, A. B. Wooster 1901; Asst. Res. and Res. Phys. Union Prot. Infirmary, Balt. 1905-07.
Charles Walter Stone, A. B. Wash. and Jefferson 1901.—Res. Phys. Lakeside Hosp. Cleveland.
Caroline Benson Towles, A. B. Woman's Coll. Balt. 1893.—Phys. Balt.
Douglas Vander Hoof, B. L. Dartmouth 1901; House Officer 1905-06.—Clin. Instr. Med. Coll. of Va.; Phys. Richmond.
George Hoyt Whipple, A. B. Yale 1900.—Instr. Pathol.; Asst. Res. Pathologist.
Harry Isaac Wiel, A. B. Stanford 1900; House Officer 1905-06.—Instr. Cooper Med. Coll.; Phys. San Francisco.
Hiram LaMont Youtz, Ph. B. Brown 1900.—Phys. Moline, Ill.

(54)

1906

Henry Adsit, A. B. Princeton 1902. —Non-res. Surg. St. James Hosp. Hornellsville, N. Y.
Frank C. Ainley, S. B. Drake 1902; House Officer 1906-07. — House Phys. Lakeside Hosp. Cleveland.
Vivia Belle Appleton, A. B. Cornell 1901.—Phys. Tama, Iowa.
Frederic Wolcott Bancroft, A. B. Stanford 1902.—Res. Phys. Roosevelt Hosp. N. Y.
Herschel Winston Bass, S. B. Ala. Polytech. 1901.—Student, Berlin.
Francis Cooke Beall, S. B. Texas 1902; House Officer 1906-07. — Phys. Ft. Worth, Texas.
Edward Bailey Beasley, A. B. 1902. —Physician, Balt.
Henry Beeuwkes, A. B. 1902. — House Phys. and Surg. Hudson St. Hosp. N. Y.
Julian Raymond Blackman, A. B. Nebraska 1902.—Asst. Physiol. Univ. of Wis. Madison.
Phoebe May Bogart, A. B. Wellesley 1902. — Interne, Syracuse Hosp. N. Y.
Edwards Bennett Brown, A. B. Beloit 1901.—Phys. Beloit, Wis.
Louis Herbert Burlingham, A. B. Yale 1902.—House Officer, Mass. Gen. Hosp. Boston.
Charles Metcalf Byrnes, S. B. Univ. of N. C. 1902.—Adj. Prof. Anat. Univ. of Va. Charlottesville.
John Roberts Caulk, A. B. St. John's 1901.—Interne, Union Prot. Infirm. Balt.
Frank Higbee Church, A. B. Hamilton 1902.—Phys. Utica, N. Y.
Oren Howard Cobb, A. B. Harvard 1902.—Phys. N. Y.
T. Homer Coffin, S. B. Penn Coll. 1901. — Instr. Pathol. Post-Grad. Hosp. N. Y.
Herbert Phalon Cole, A. B. St. Lawrence Univ. 1901. — Physician, Mobile, Ala.
Egerton Lafayette Crispin, Ph. B. Illinois Coll. 1902.—Res. Phys. Pa. Hosp. Phila.
Ernest Samuel Cross, A. B. Dartmouth 1901; House Officer 1906-07.—Phys. Exeter, N. H.
Victor Francis Cullen, A. B. Rock Hill 1902.—Res. Surg. St. Joseph's Hosp. Balt.
Gaston Day, S. B. Florida State Coll. 1902. — House Surg. St. John's Riverside Hosp. Yonkers, N. Y.
Richard Nixon Duffy, A. B. Univ. of N. C. 1902; House Officer 1906-07. —Phys. Newbern, N. C.
Francis Fisher Ebersole, A. B. Cornell Coll. 1902.—Interne, King's Co. Hosp. Brooklyn.
Eugene Price Gray, A. B. Univ. of N. C. 1902.—Phys. Winston-Salem, N. C.
Herbert Lee Gray, A. B. Colby 1902. —Interne, Kingston Ave. Hosp. N. Y.
Franklin Webb Griffith, A. B. Western Md. 1902.—Asst. Res. Gynecologist.
Arthur Heywood Griswold, A. B. Harvard 1902.—Interne, Hartford Hosp. Conn.
Henry Honeyman Hazen, A. B. 1902. —Asst. Phys. Phipps Disp.; Res. Phys. St. Agnes Hosp. Balt.
Henry Frederic Helmholz, S. B. Univ. of Wis. 1902; Fellow, Pathol. 1906-07.—Milwaukee, Wis.
Charles William Hennington, S. B. Rochester 1902; House Officer 1906-07.—Asst. Surg. Pathol.
Minerva Herrinton, A. B. Cornell Coll. 1900.—Phys. Columbia, Pa.
Joseph Henry Hewitt, A. B. Univ. of N. C. 1899.—Res. Pathol. Lakeside Hosp. Cleveland.
Frank Hinman, A. B. Stanford 1902. —Surg. Pathol. St. Luke's Hosp.; Phys. Spokane, Wash.
Josephine Drummond Hunt, A. B. Kentucky Univ. 1899. — Interne, Syracuse Hosp. N. Y.
Elliott H. Hutchins, A. B. St. John's 1902. — Interne, Church Home, Balt.

Clarence B. Ingraham, Jr. Ph. B. Yale 1902; House Officer 1906-07. —Phys. Balt.

Lawrence Lee Iseman, Ph. B. Lafayette 1902.—Senior Res. Kensington Hosp. Phila.

William Finney Kellam, A. B. Rand.-Macon 1902.—Phys. Onley, Va.

Eugene Robert Kelley, A. B. Bowdoin 1902.—Interne, Carney Hosp. Boston.

John Hendricken King, A. B. 1899.—Asst. Med.; Phys. Balt.

Mary Barker Kingsbury, A. B. Wellesley 1899.—Phys. Pottsville, Pa.

Wilhelm Edmund Harmon Krechting, A. B. Princeton 1902.—Asst. Surg. Wright Mem. Hosp. N. Y.

Harry Leslie Langnecker, A. B. Stanford 1901; House Officer 1906-07. —Phys. New Brighton, Pa.

Andre Edward Lee, A. B. Stanford 1902.—Asst. Surg. U. S. Naval Hosp., Canacao, P. I.

Joseph Stocking Lewis, A. B. Canisius Coll. 1902.—Interne, German Hosp. N. Y.

David Israel Macht, A. B. 1902.—Phys. Balt.

George Marsden, Ph. B. Brown 1900. —Phys. New Bedford, Mass.

Enoch Marvin Mason, S. B. Ala. Polytech. 1900; House Officer 1906-07.—Phys. Birmingham, Ala.

Carl L. Meloy, A. B. Wittenberg 1902.—Adj. Prof. Pathol. Univ. of Va.

Robert Emory Moore, A. B. 1902.—Interne, King's Co. Hosp. Brooklyn.

Arthur Henry Morse, A. B. Tufts 1902.—Asst. Pathol. R. I. Gen. Hosp. Providence.

Agnes Gordon Murdoch, A. B. Woman's Coll. Balt. 1902.—Interne, New Eng. Hosp. Roxbury, Mass.

Marie Eleanor Nast (Mrs. W. B. Wherry), A. B. Woman's Coll. Balt. 1902.—Oakland Coll. of Med. Cal.

John Francis Ortschild, A. B. Stanford 1899; Asst. Op. Surg. 1906-07.—Asst. Res. Surg.

Robert Patek, S. B. California 1901. —Interne, City and County Hosp.; Phys. San Francisco.

Isaac Rosenbaum Pels, A. B. 1902.—Phys. Balt.

Damon Beckett Pfeiffer, A. B. Princeton 1902.—Interne, German Hosp. Phila.

Benjamin Swayne Putts, A. B. 1902. —Res. Phys. Allegheny Gen. Hosp.

Ralph R. Rea, S. B. Iowa Univ. 1899. —Phys. Los Angeles, Cal.

Francis Hamilton Redewill, S. B. California 1902.—Surg. U. S. A. Ft. Bayard, N. Mex.

Richard Frederic Lot Ridgway, A. B. Princeton 1898.—Res. Phys. Harrisburg Hosp. Pa.

Henry Camp Russ, A. B. Yale 1902. —Res. Pathol. Lakeside Hosp. Cleveland.

Harold Payne Sawyer, S. B. Alabama 1902.—Instr. Pathol. Albany Med. Coll. N. Y.

Edwin Henry Schorer, S. B. Univ. of Wis. 1902.—Instr. Pathol. Univ. of Mo. Columbia.

*Lamar Seeley, A. B. Williams 1902.

Ralph Berger Seem, Ph. B. Lafayette 1902.—Res. Phys. St. Luke's Hosp. South Bethlehem, Pa.

Frank Joseph Sladen, A. B. Yale 1902; House Officer 1906-07. — Asst. Res. Phys.

Harry Gordon Sloan, A. B. Wash. and Jefferson 1902. — Res. Surg. Lakeside Hosp. Cleveland.

Harvey Brinton Stone, A. B. 1902, House Officer 1906-07.—Adj. Prof. Surg. Univ. of Va. Charlottesville.

Solomon Strouse, A. B. 1902, House Officer 1906-07.—Phys. Balt.

Henry Clarke Thacher, A. B. Yale 1902. — House Officer, Bellevue Hosp. N. Y.

Philip Pickering Thompson, A. B. Dartmouth 1902.—Interne, Carney Hosp. Boston.

Harry Norton Torrey, S. B. Knox 1900; A. M. Mich. 1905.—Phys. Detroit, Mich.

Willis Willard Waite, S. B. Univ. of Wis. 1902.—Bacteriol. Dept. of Health, Syracuse, N. Y.

Harold Randall Webb, A. B. Bowdoin 1902.—Res. Phys. City Hosp., Waltham, Mass.

George Howard White, Jr. A. B. Princeton 1902; House Officer 1906-07.—Phys. Catonsville, Md.

Frederick Petheram Wilbur, A. B. Williams 1902. — Interne, City Hosp. Blackwell's Island, N. Y.

Nannie Lee Winn, A. B. Woman's Coll. Balt. 1900.—Phys. Clayton, Ala.

John Arthur Winter, A. B. Mich. 1902.—Phys. Calumet, Mich.

Gilman Joseph Winthrop, A. B. Univ. of South 1902.—Interne, Gouverneur Hosp. N. Y.

Benjamin Edgar Wolfort, S. B. Univ. of Pa. 1902. — Interne, Jewish Hosp. N. Y.

Samuel Wolman, A. B. 1902.—Asst. Med.; Asst. Phys.; Phys. Balt.

Peregrine Wroth, Jr. A. B. 1902.—Acting Res. Phys. Union Prot. Infirm. Balt. (84)

1907

Merle Theron Adkins, S. B. Beloit 1903.—Baltimore.

Francis Merriman Barnes, Jr. A. B. Hamilton 1903. — Interne, Sheppard Hospital, Towson, Md.

Albert Henry Beifeld, A. B. Harvard 1902. — Interne, Michael Reese Hosp. Chicago.

Edward Grant Birge, S. B. Wisconsin 1903.—Bacteriologist, Sewerage Commission, Balt.

Montague Laffitte Boyd, Ph. B. Emory 1903. — Interne, Walker Mem. Hosp. Wilmington, N. C.

Leverett Dale Bristol, S. B. Wesleyan 1903.—Instr. Pathol., Syracuse Univ. N. Y.
Chester Timothy Brown, S. B. Rutgers 1903.—Interne, City Hosp. N. Y.
Wade Hampton Brown, S. B. Nashville 1899.—Instr. Pathol. Univ. of Va. Charlottesville.
Frederick Dabney Bullock, S. B. Ky. State Coll. 1899.—Interne, German Hosp. N. Y.
Edward Kimball Burbeck, A. B. Dartmouth 1903. — Phys. Springfield, Mass.
Charles Burnside, Ph. B. Iowa Coll. 1903. — Interne, Passavant Mem. Hosp. Chicago.
Waid Edwin Carson, A. B. Ohio Wesleyan 1900. — Interne, Allegheny Gen. Hosp. Pa.
James H. Chesnutt, A. B. Virginia 1903.—House Officer.
Eliot Round Clark, A. B. Yale 1903. —Asst. Anatomy.
Paul Wiswall Clough, S. B. Wisconsin 1903.—House Officer.
Edwin Charles Cort, A. B. Wash. and Jefferson 1901. — Externe, Med.
Fred Yohn Cronk, S. B. St. John's 1903. — Interne, Lakeside Hosp. Cleveland.
Robert Law Cunningham, A. B. Wabash 1901.—House Officer.
Cline Flemming Davidson, S. B. Wabash 1900.—House Officer.
Paul Herman Dernehl, S. B. Wisconsin 1903.—Volun. Asst. Univ. of Rostock, Germany.
William Wert Dinsmore, S. B. Ala. Polytech. 1905.—Phys. Decatur, Ala.
Alphonse Raymond Dochez, A. B. 1903.—Phys. Balt.
Robert Weyer Dunlap, A. B. Wash. and Jefferson 1903.—Res. Phys. West. Pa. Hosp. Pittsburg.
Dan Hughes DuPree, S. B. Georgia 1903.—Phys. Atlanta, Ga.
Willis Dew Gatch, A. B. Indiana 1901.—House Officer.
Henry Graber, A. B. Ursinus 1903. — Interne, Presbyterian Hosp. Philadelphia.
Inslee Blair Greene, Ph. B. Yale 1902.—Interne, M. E. Hosp. Brooklyn
Clyde Graeme Guthrie, A. B. Lafayette 1903.—House Officer.
Milton Hahn, A. B. Harvard 1903. —Interne, Mt. Sinai Hosp. N. Y.
Aleck Perkins Harrison, A. B. Fla. State Coll. 1889.—Phys. Connellsville, Pa.
Franklin Hazlehurst, Jr. A. B. 1903.—Externe, Med.; Phys. Balt.
Ralph Wellington Hellenbrand, A. B. Bowdoin 1903.—Interne, Hudson St. Hosp. N. Y.
Elizabeth Singley Hellweg, A. B. Woman's Coll. (Balt.) 1899. — Phys. Balt.
Gladys Rowena Henry, S. B. Nebraska 1900.—House Officer.
George Julius Heuer, S. B. Wisconsin 1903.—House Officer.
Eben Clayton Hill, A. B. 1903.—Asst. Anatomy.
Charles Lane Hincher, S. B. Rochester 1903.—Phys. Rochester, N. Y.
Joseph Gardner Hopkins, A. B. Columbia 1902.—House Officer.
Herbert Lester Kelley, A. B. Dartmouth 1903. — First Lieut. and Asst. Surg. U. S. N. Washington.
Allen Kramer Krause, A. B. Brown 1901.—Asst. Pathol.
Sally Porter Law, A. B. Bryn Mawr 1903.—Phys. Balt.
Bethuel Boyd Vincent Lyon, A. B. Williams 1903.—Interne, German Hosp. Philadelphia.
Perry William McLaughlin, A. B. Pa. Coll. 1903.—Phys. Fairbury, Neb.
Edward Fall Malone, A. B. Vanderbilt 1903.—Clin. Asst. Sheppard-Pratt Hosp. Towson, Md.
Norris Gray Orchard, S. B. Fargo Coll. 1903.—Interne, City Hosp. Rochester, N. Y.
Fred Thomas Owens, A. B. Hamilton 1903.—Interne, City Hosp. N. Y.
Charles Benjamin Palmer, A. B. Harvard 1901.—Interne, Post Grad. Hosp. N. Y.
William Turner Parsons, A. B. 1903. —Phys. Oakland, Cal.
William Otto Pauli, A. B. Cincinnati 1902.—House Officer.
George Peirce, A. B. Haverford 1903. Res. Phys. Dr. Grenfell's Hosp. St. Anthony, Newfoundland.
Eugene Leo Pessagno, A. B. 1903.— Interne, St. Joseph's Hosp. Balt.
Harry Ward Plaggemeyer, A. B. 1903. —Interne, King's Co. Hosp. Brooklyn.
Paul Preble, A. B. Bowdoin 1903.— Surg. Interne, St. Agnes Hosp. Balt.
Alexander Randall, A. B. St. John's 1902. — Interne, German Hosp. Philadelphia.
Daniel Pattee Ray, A. B. Dickinson 1903. — Res. Phys. McKeesport Hosp. Pa.
Clarence Adair Rhodes, A. B. Rand.-Macon 1903. — Interne, St. Vincent's Hosp. N. Y.
Charles Woodward Riley, A. B. 1903. —Interne, Woman's Hosp. N. Y.
Mary Jane Ross, Cornell (A. B. 1898, Ph. D. 1902); A. M. Pennsylvania 1900.—Interne, Babies' Hosp. N. Y.
Edgar Poe Sandrock, A. B. 1903.— Asst. Res. Gynecol. St. Agnes Hosp. Balt.
Hiram Sibley Schumacher, Ph. B. Rochester 1903. — House Officer, Rochester Homeopath. Hosp. N. Y.
Raymond Brown Scofield, S. B. Rochester 1902.—Asst. Surg. U. S. Marine Hosp. Stapleton, N. Y.

Will Farquhar Shallenberger, A. B. Wash. and Jefferson 1903.—House Officer.
George Arthur Smith, A. B. Yale 1903. — Interne, Hartford Hosp. Conn.
Joseph Tate Smith, Jr. A. B. 1903. —House Officer.
Charles Granville Souder, S. B. Ohio State 1903.—Phys. Napoleon, O.
Persis Rosamond Straight, A. B. Smith 1902.—Phys. Bradford, Pa.
Charles Henry Stubenrauch, A. B. 1903. — Asst. Res. Phys. Church Home, Balt.
Charles Henry Turkington, Ph. B. Yale 1903. — Phys. Waterbury, Conn.
Lucius Tuttle, A. B. Yale 1901.—Phys. Philadelphia.
Percy Theodore Watson, A. B. Carleton 1903.—House Officer.
William Henderson White, A. B. Dickinson 1903.—Interne, Paterson Gen. Hosp. N. J.
Milton Charles Winternitz, A. B. 1903.—Fellow, Pathol. (72)

1908

(*February* 22.)

George Burton Gilbert, A. B. Yale 1903.
George W. K. Hartman, S. B. California 1903.
Carroll Dunham Partridge, S. B. Vermont 1900.
Clarence Albert Shore, S. B. North Carolina 1901.
Udo Julius Wile, A. B. Columbia 1904. (532)

MASTER OF ARTS (HONORARY)

1902

William Thomas Councilman, M. D. (Univ. of Md.), LL. D.—Prof. of Pathol. Anatomy, Harvard.

Benjamin Ives Gilman, A. B. (Williams)—Curator, Museum of Fine Arts, Boston.

John M. Glenn, A. M. and LL. D. (Wash. and Lee)—Secretary and Director, Russell Sage Foundation, New York.

Clayton Colman Hall, LL. B. (Univ. of Md.)—Atty. at Law and Consulting Actuary, Balt.

Theodore Marburg.—Balt.; Member of the Board of Trustees.

William L. Marbury.—Atty. at Law. Balt.

Robert Lee Randolph, M. D. (Univ. of Md.)—Assoc. Prof. of Ophthalmology and Otology.

Lawrason Riggs, A. B. (Princeton), LL. B. (Univ. of Md.)—Atty. at Law, Balt.

Henry M. Thomas, M. D. (Univ. of Md.)—Clinical Prof. of Neurology.

Julian LeRoy White, A. M. (Cambridge)—Baltimore.

BACHELOR OF ARTS

When the institution is not named, this university or the Johns Hopkins Hospital is to be understood. (F) indicates that the person has held a fellowship here. *Died.

1879

George Washington McCreary.—Asst. Sec. and Librarian, Md. Hist. Soc. Balt.

Chase Palmer (F), Ph. D. 1882; Asst. Mass. Inst. Tech. 1882-83, Tufts Coll. 1887-88; Prof. Mass. Norm. Sch. Salem, 1883-87, Wabash Coll. 1888-90, Manual Train. Sch. Louisville 1895-1901, Central Univ. Ky. 1901-05, Prof. Chem. Ky. State Coll. 1905-06.—Chemist, U. S. Geol. Survey, Washington.

Edward Henry Spieker (F), Ph. D. 1882.—Assoc. Prof. Greek and Latin. (3)

1880

Rev. Thomas Milton Beadenkopf, B. D. Yale 1885.—Clergyman, Balt.

Allen Kerr Bond, M. D. Univ. of Md. 1882.—Physician, Balt.

*William Cathcart Day (F), Ph. D. 1883; Prof. Chem. St. John's 1883-84, Univ. of Nashville 1884-87, Swarthmore 1887-1901. *August 5, 1905.

Henry Laurence Gantt, M. E. Stevens 1884.—Mechan. Eng. Schenectady, N. Y.

Edgar Goodman, LL. B. Univ. of Md. 1881.—Editor *Balt. American.*

Rev. Carl Eckhardt Grammer, Va. Theol. Sem. 1884; S. T. D. Trinity 1895; Prof. Va. Theol. Sem. 1887-97.—Clergyman, Philadelphia.

Alexander Fridge Jamieson.—Latin Master, Lawrenceville School, N. J.

*Edmund Allen Jarvis. *October 15, 1880.

Stewart Brian Linthicum, LL. B. Univ. of Md. 1882.—Atty. at Law, Portland, Ore.

John Hanson Lowe, LL. B. Univ. of Md. 1882.—Atty. at Law, Balt.

Rev. Leigh Clinton Morgan.—Clergyman, N. Y.

*Nelson Palmer. *June 12, 1886.

Thomas Pettigrew.—Civil Engineer.

Harry Fielding Reid (F), Ph. D. 1885; Prof. Case School 1886-94; Assoc. Prof. Chicago 1895-97.—Prof. Geol. Physics.

*Wiltz Raymond Stricklen. *December 19, 1900.

Lewis Webb Wilhelm (F), Ph. D. 1884.—Vice-Prin. College Prep. Sch. Balt. (16)

1881

William Wilson Baden (F), LL. B. Univ. of Md. 1883; Ph. D. 1892; Prof. Southwestern Univ. 1892-93, Central (Ky.) 1893-96.—Prof. Greek and Latin, Idaho Univ. Moscow.

Henry Johns Bowdoin, LL. B. Univ. of Md. 1883.—Baltimore.

John Wilson Brown.—Philadelphia.

David Talbot Day (F), Ph. D. 1884.—U. S. Geol. Survey, Washington.

William Henry Howell (F), Ph. D. 1884; Mich. (Hon. M. D. 1890, Lecturer and Prof. 1889-92); LL. D. Trinity 1901; Assoc. Prof. Harvard 1892-93.—Prof Physiol. and Dean, Med. Faculty.

John Hemsley Johnson, LL. B. Univ. of Md. 1887.—Atty. at Law, Balt.

*James Edward Keeler, D. Sc. Cal. 1893; Fellow Royal Astron. Soc. London; Allegheny Observ. 1882-86; Lick Observ. 1886-91; Rumford Medalist, Amer. Acad. Arts and Sci. 1898; Prof. Western Univ. of Pa. and Director, Allegheny Observ. 1891-98; Director Lick Observ. 1898-1900. *August 12, 1900.

Rev. Edwin George Richardson.—Clergyman, Bellefonte, Pa.
*Adonlram Judson Robinson, LL. B. Univ. of Md. 1885; Instr. Balt. City Coll. 1881-87. **November* 23, 1904.
*Henry Rolando, M. D. Univ. of Md. 1883. **October* 4, 1888.
Lee Sale, LL. B. Wash. Univ. 1885; Instr. Louisville High School 1881-83.—Atty. at Law, St. Louis; Lecturer, Wash. Univ.
Mactier Warfield, M. D. Univ. of Md. 1884. — Physician, Balt.; Instr. Laryngology. (12)

1882

William Hughlett Adkins, LL. B. Univ. of Md. 1883.—Atty. at Law, Easton, Md.; Assoc. Judge, State Court of Appeals.
Thomas Alexis Berry.—Baltimore.
Gustav Bissing (F), Ph. D. 1885; Examiner, U. S. Patent Office, 1884-97.—Patent Atty. New York.
Walter Bernard Clarkson, Lecturer and Asst. Prof. Law, Yale 1901-03. —Atty. at Law, Jacksonville, Fla.
Herman Louis Ebeling (F), Ph. D. 1891; Prof. Miami Univ. 1891-99; Instr. and Acting Prof. Haverford 1901-03. — Asst. Prof. Greek and Latin, Hamilton, Clinton, N. Y.
Louis Garthe.—Journalist, Wash.
Edward Ingle. — Manag. Ed. *Manfr. Record*, Balt.
*Richard Fuller Kimball, LL. B. Univ. of Md. 1884. **January* 1, 1905.
*Gustav Adolph Liebig, Jr. (F), Ph. D. 1885, Asst. 1887-90. **February* 10, 1897.
Charles William Emil Miller (F), Ph. D. 1886.—Assoc. Prof. Greek. James Page.
Albert Gallatin Palmer (F), Ph. D. 1885; Asst. and Asst. Prof. Chem. Swarthmore 1885-87. — Norwood, Md.
Robert Miller Reese.—Dept. of Agric. Washington.
*Louis Tebbetts Stevens (F), M. D. Harvard 1887. **February* 9, 1898.
Herbert Thorndyke Tiffany, LL. B. Univ. of Md. 1885.—Atty. at Law, Balt. (15)

1883

William Shirley Bayley (F), Ph. D. 1886; Prof. Colby 1888-1904.—U. S. Geol. Survey; Assoc. Prof. Geol. Univ. of Ill. Champaign.
Maurice Fels, LL. B. Univ. of Pa. 1886.—Atty. at Law, Philadelphia.
David Sterrett Gittings.—Baltimore.
William Beatty Harlan, LL.B. Univ. of Md. 1885; A. M. St. John's 1888. —Atty. at Law, Churchville, Md.
George Theophilus Kemp (F), Ph. D. 1886; M. D. L. I. Med. Coll. 1891; Demonstr. Univ. of Pa. 1886-87; Assoc. and Assoc Director, Hoagland Lab. 1888-98.—Prof. Physiol. Univ. of Ill. Champaign.
Gonzalez Lodge (F), Ph. D. 1886; LL. D. Franklin and Marshall 1901; Prof. Davidson 1886-88, Bryn Mawr 1889-1900. — Prof. Latin and Greek, Teachers Coll. N. Y.
William Edgar Stratton, M. D. Harvard 1886.—Physician, Brooklyn.
Henry Winslow Williams, LL. B. Univ. of Md. 1885.—Atty. at Law, Balt.
Henry Van Peters Wilson (F), Ph. D. 1888; Bruce Fellow 1888-89.—Prof. Biol. Univ. of N. C. Chapel Hill.
William John Witzenbacher.—Atty. at Law, Hagerstown, Md. (10)

1884

Rev. Albert Clayton Applegarth, Ph. D. 1887; LL. B. Univ. of Md.—Clergyman, Huntingdon, Pa.
Charles Walter Artz, LL. B. Columbia 1886.—Atty. at Law, N. Y.
Walter Bliss Canfield. — Chemist, Pittsburg.
George Gibson Carey, LL.B. Univ. of Md. 1886.—Atty. at Law, Balt.
William Kennedy Cromwell.—Balt.
Charles William Remsberg Crum, M. D. Univ. of Md. 1888; Instr. Mercerburg 1884-86, 1889-90; Prof. Math. Ursinus 1892-95. — Physician, Brunswick, Md.
Harry Friedenwald, M. D. Phys. and Surg. (Balt.) 1886. — Physician, Balt.; Prof. Ophthalmol. etc. Coll. of P. and S.
Rev. William Lindsay Glenn, LL. B. Univ. of Md. 1888.—Clergyman, Emmorton, Md.
John Hinkley, LL. B. Univ. of Md. 1886.—Atty. at Law, Balt.
Charles Morris Howard, LL. B. Univ. of Md. 1888.—Atty. at Law, Balt.; Prof. Balt. Law School.
*John Deering Lord, Jr. LL. B. Columbia 1886. **January* 27, 1902.
Jere Williams Lord, M. D. Univ. of Pa. 1887.—Physician, Balt.; Clin. Prof. Dermatol.; Assoc. Prof. Anat. Balt. Med. Coll.
William Patrick Lyons, LL. B. Univ. of Md. 1886.—Atty. at Law, Balt.
Edgar George Miller, Jr. LL. B. Univ. of Md. 1886.—Atty. at Law, Balt.
William Ridgely Orndorff (F), Ph.D. 1887.—Prof. Organ. Chem. Cornell.
George Dobbin Penniman, LL. B. Univ. of Md. 1886.—Atty. at Law, Balt.; Prof. Balt. Univ. Law Sch.
William Henry Perkins, Jr. LL. B. Univ. of Md. 1888.—Atty. at Law, Balt.
*George Clement Stokes, Jr. LL. B. Univ. of Md. 1888. **January* 21, 1897.
*William John Thomas, Prof. Math. Western Md. Coll. 1884-85. **March* 9, 1885.

*William Ferdinand Walz. **March* 21, 1887.
Frederick Henry Wilkens, Ph. D. Leipsic 1891; Asst. Prof. Univ. of Wis. 1893-96. Union Univ. 1898-04. —Assoc. Prof. German, New York Univ.
George Wishart Edmond (*extra ordinem*).—Woodford's, Me.
Charles Howard Shinn (*extra ordinem*). — Supervisor, N. Sierra Forest Reserve, North Fork, Cal.
(23)

1885

John Pendleton Campbell (F), Ph. D. 1888.—Prof. Biol. Univ. of Ga. Athens.
John Glenn, Jr. LL. B. Univ. of Md. 1887.—Atty. at Law, Balt.
Rt. Rev. Junius Moore Horner, S. T. B. Gen. Theol. Sem. N. Y. 1890.—Bishop of Asheville, N. C.
James Albert Loane.—Baltimore.
Harry Wilbur Price, LL. B. Columbian 1887.—Atty. at Law, Chicago.
Benjamin Titus Roberts, Jr.—Physician, Morgan Park, Ill.
Moses Roth Ryttenberg, LL. B. Univ. of Md. 1888.—Atty. at Law, N. Y.
Hugo Steiner, LL. B. Univ. of Md. 1887.—Atty. at Law, Balt.
Henry Hazlehurst Wiegand, Proficient in Elec. 1889.—Elec. Engineer, Balt.
(9)

1886

Joseph Sweetman Ames (F), Ph. D. 1890.—Prof. Physics.
Wilson Lloyd Bevan, S. T. B. Gen. Theol. Sem. N. Y. 1889; A. M. and Fellow, Columbia 1889; Ph. D. Munich 1893; late Prof. Hist., Univ. of the South.
Thomas Hepburn Buckler, M. D. Univ. of Md. 1888. — Physician, Balt.
Alfred Robert Louis Dohme, Ph. D. 1889.—Mfg. Chemist, Balt.; Instr. Pharmacy.
Alfred Alvin Doub.—Atty. at Law, Cumberland, Md.
William Snyder Eichelberger (F), Ph. D. 1891; Instr. Wesleyan 1891-96.—Prof. Math. U. S. Navy, Wash.
Harry English.—Instr. High School, Washington.
Abraham Flexner, A. M. Harvard 1906.—Student, Columbia.
William Edward Gates.—Cleveland, Ohio.
*William Curns Lawrence Gorton (F), Ph. D. 1889; Assoc. Prof. and Prof. Math. Woman's Coll. Balt. 1888-94. **November* 8, 1894.
Joseph Edward Harry (F), Ph. D. 1889; Prof. Georgetown, Ky. 1889-1900.—Acting Pres. (1904), Dean, Grad. School, Prof. Greek, Univ. of Cincinnati.
Benjamin Henry Hartogensis.—Atty. at Law, Balt.
James Shaler Hodges, Profic. in Elec. 1890.—Elec. Engineer, Balt.
Theodore Hough (F), Ph. D. 1893; Instr. and Asst. Prof. Mass. Inst. Tech. 1893-1903; Assoc Prof. Simmons Coll. 1903-07.—Prof. Physiol. Univ. of Va.
Percy Meredith Hughes.—Director of High Schools, Wash.
*John Henry Laessig, Jr. **December* 28, 1903.
Allan McLane, Jr. LL. B. Univ. of Md. 1888.—Atty. at Law, Balt.
John Hanson Thomas McPherson (F), Ph. D. 1890; Instr. Univ. of Mich. 1890-91.—Prof. Hist. Univ. of Ga. Athens.
Colyer Meriwether, Ph. D. 1893.—Instr. English, High School, Washington.
John Pleasants.—Baltimore.
Richard Hall Pleasants, Jr. LL. B. Univ. of Md. 1889.—Atty. at Law, Balt.
*William Flood Smith, Coll. of P. and S. Balt. (M. D. 1889, Assoc. Prof. Surg. Anat.). **April* 14, 1903.
Michael Daniel Stein.
Bernard Wiesenfeld, LL. B. Univ. of Md. 1889.—Atty. at Law, Balt.
John Whitridge Williams, M. D. Univ. of Md. 1888.—Physician, Balt.; Obstetrician in Chief; Prof. Obstetrics.
Langdon Williams.—Teacher, Philadelphia.
*William Klapp Williams, Ph. D. 1889. **June* 4, 1897.
John Randolph Winslow, M. D. Univ. of Md. 1888.—Physician, Balt.
*Allan Chase Woods. **September* 9, 1886.
Frederick George Young, Vice-Pres. S. Dak. Normal School 1888-91.—Prof. Econ. etc. Univ. of Oregon, Eugene.
*Thomas McCabe (*extra ordinem*) (F), Ph. D. 1888; Instr. Univ. of Mich. 1888-89; Prof. Ind. Univ. 1889-90; Assoc. Romance, Bryn Mawr 1890-91. **February* 22, 1891.
(31)

1887

Rev. Edward Carey Applegarth (F), Ph. D. 1890; M. D. P. and S. Balt. 1892.—Clergyman, Malden, Mass.
Richard Howard Bayard, LL. B. Univ. of Md. 1889.—Atty. at Law, Balt.
Herbert Maxwell Brune, LL. B. Univ. of Md. 1889.—Atty. at Law, Balt.
Charles Edward Coates, Jr. Ph. D. 1891; Prof. St. John's 1891-93.—Prof. Chem. La. State Univ. Baton Rouge.
Rev. William Roswell Cole, B. D. Harvard 1890.—Clergyman, Cohasset, Mass.
Paul Joseph Dashiell, Ph. D. 1891; Instr. Lehigh 1889-92.—Prof. Math. U. S. Navy; U. S. Naval Academy, Annapolis.

George Peter Dreyer (F), Ph. D. 1890; Demonstr. Assoc. Assoc Prof. 1890-1900.—Prof. Physiol. Med. Dept. Univ. of Ill., Chicago.
Edward Duffy, Jr. LL. B. Univ. of Md. 1889.—Atty. at Law, Balt.
James Clark Fifield.—Atty. at Law, Minneapolis.
Julius Friedenwald, M. D. P. and S. Balt. 1900; A. M. Loyola 1898.—Physician, Balt.; Assoc. Prof. Path. Coll. of P. and S.
Douglas Huntly Gordon, LL.B. Univ. of Md. 1889.—Prest. Internat. Trust Co. Balt.
Jay Cæsar Guggenheimer, LL. B. Columbia 1891.—Atty. at Law, N. Y.
Charles Homer Haskins, Ph. D. 1890; Instr. 1889-90; Asst. Prof. and Prof. Univ. of Wis. 1890-1902.—Prof. Hist. Harvard.
George Lincoln Hendrickson, L. H. D. Western Reserve 1902; Prof. Colo. Coll. 1889-91, Univ. of Wis. 1891-96, Chicago 1896-1908.—Prof. of Latin, Yale.
Franz Otto Karl Hoffmann.—Berlin, Germany.
*Robert Milligan McLane, Jr. LL.B. Univ. of Md. 1891; State's Atty. Balt. 1899-1903; Mayor of Baltimore 1903-04. **May* 30, 1904.
Robert William Rogers, Haverford (Ph. D. 1890, Instr. 1887-90); D. D. Wesleyan 1894; Ph. D. Leipsic 1895; Prof. Dickinson 1890-93.—Prof. Hebrew, Drew Theol. Sem. Madison, N. J.; Lecturer, Woman's Coll. Balt.
Henry Oliver Thompson, LL. B. Univ. of Md. 1890.—Atty. at Law. Balt.
Benjamin Tuska. Columbia (A. M. 1888, LL. B. 1889).—Atty. at Law. N. Y.
Rev. Robert William Henry Weech.—Clergyman, Balt.
*Edward William Willis, M. D. Univ. of Md. 1889. **August* 7, 1893.
Henry Firey Wingert.—Atty. at Law, Hagerstown, Md.
Walter Bell Scaife (*extra ordinem*), Ph. D. Vienna 1887.—Pittsburg.
*Albert Henry Smyth (*extra ordinem*); Lecturer 1899-1900; Prof. English Central High School, Phila. 1886-1907. **May* 4, 1907.

(24)

1888

Henry Harold Ballard, Ph. D. 1893; Instr. Chem. Rose Polytech. 1893-96.—Princ. High School, Northport, N. Y.
Edward Ambrose Bechtel (F), Chicago (Fellow 1897-98, Asst. and Assoc. 1898-02, Ph. D. 1900); Instr. Northwestern 1893-97.—Instr. Latin, Univ. of Chicago.
James William Black, Ph. D. 1891; Acting Prof. Georgetown, Ky. 1891-92; Assoc. Prof. Oberlin 1892-94.—Prof. Hist. Colby, Waterville, Me.
Charles Pliny Brigham, Ph. D. 1891.—Greenport, Long Island, N. Y.
*William Bromwell, Ph. D. 1895; Instr. Chem. Pratt Inst. Brooklyn 1896-98. **September* 30, 1898.
*Hamilton McFarland Brown. **May* 8, 1892.
Arthur Lee Browne, Balt. Med. Coll. (M. D. 1901, Assoc. Prof. Chem.); Consulting Chemist, Balt.
Charles Hamilton Carey.—Baltimore.
John Broughton Daish, LL. B. Georgetown (D. C.) 1900.—Atty. at Law, Washington.
Rev. William Levering Devries (F), Ph. D. 1892; S. T. B. Gen. Theol. Sem. N. Y. 1894.—Clergyman, Washington.
Gustav Edward Gieske, M. D. P. and S. (Balt.) 1891.—Catonsville, Md.
Raleigh Colston Gildersleeve.—Architect, N. Y.
Harris Hancock, Ph. D. Berlin 1894; D. Sc. Paris 1901; Asst. Instr. Assoc. Chicago 1892-1900.—Prof. Math. Univ. of Cincinnati.
Walter Jones, Ph. D. 1891; Acting Prof. Wittenberg 1891-92; Instr. and Prof. Purdue 1892-95.—Assoc. Prof. Physiol. Chem.
*William Augustine Jones, LL. B. Univ. of Ala. 1889. **February* 11, 1894.
Arthur Lincoln Lamb.—Science Master, Country School, Balt.
Charles Day Lanier.—Asst. Ed. *Review of Reviews*, N. Y.
John Bright Macauley.—Princ. Examiner, U. S. Patent Office, Wash.
*William Howard Miller, Instr. Math. Stanford 1891-93. **March* 2, 1893.
*George Neville Moore. **October* 29, 1889.
John Henry O'Donovan, M. D. Univ. of Md. 1891.—Baltimore.
Frank Eugene Reader.—Atty. at Law, New Brighton, Pa.
Louis Rettger.—Prof. Physiol. Terre Haute Normal School, Ind.
David Ellsworth Roberts.—Asst. Chief Div. of Prints, Library of Congress.
Lessing Rosenthal, LL. B. Northwestern 1891.—Atty. at Law, Chicago.
Charles Edmund Simon, M. D. Univ. of Md. 1890.—Physician, Balt.; Prof. Clin. Diagnosis, Md. Med. Coll.
Charles Kephart Swartz (F), Ph. D. 1904; B. D. Oberlin 1892; Fellow, Clark 1889-90.—Assoc. Prof. Geol.
Robert Melvin Tarleton, E. M. Lehigh 1895.—Mining Eng. N. Y.
Edward Lucas White, Asst. Dartmouth 1891-92.—Classical Instr. Boys' Latin School, Balt.
John White, Jr. (F), Ph. D. 1891; Asst. Cornell 1891-93; Prof. Univ. of Neb. 1893-03.—Prof. Chem. Rose Polytech. Terre Haute, Ind.
Westel Woodbury Willoughby (F), Ph. D. 1891; Acting Asst. Prof. Stanford 1894-95.—Prof. Polit. Science.

William Franklin Willoughby, Lecturer 1900-01; Lecturer, Harvard 1900-01.—Treasurer of Porto Rico, San Juan.
Charles Hiram Chapman (*extra ordinem*) (F), Ph. D. 1890, Instr. and Assoc. 1889-92; Prest. Univ. of Oregon 1893-99.—Woodland, Wash.
Charles Collier Holden (*extra ordinem*).—Instr. Romance Lang. West Va. Univ. Morgantown. (34)

1889

Adolph Bernhard, Chicago (Ph. D. 1894, Asst. Chem. 1893-98).—Science Teacher, Green Bay, Wis.
Hiram Horsburgh Bice.—Class. Instr. High School, N. Y.
John Sedgewick Billings, M. D. Univ. of Pa. 1892.—Physician, N. Y.
Walton Bolgiano, M. D. Univ. of Pa. 1892.—Physician, Balt.
Theodore Cooke, Jr. M. D. Univ. of Md. 1891.—Physician, Balt.
Frank Barnum Culver.—New York.
*Richard Edward Edes, Harvard (M. D. 1895, Morgan Fellow 1889-91); Instr. Mass. Inst. Tech. 1892-93. **November* 25, 1901.
Daniel Nathan Eisendrath, M. D. Chicago Med. Coll. 1891.—Physician, and Adj. Prof. Surg. Univ. of Ill. Chicago.
Albert Bernhardt Faust (F), Ph. D. 1892, Instr. 1894-96; Assoc. Prof. Wesleyan 1896-03; Asst. Prof. Univ. of Wis. 1903-04.—Asst. Prof. German, Cornell.
Charles Lee Fulton, LL. B. Univ. of Md. 1892.—Atty. at Law, Balt.
Joseph Elliott Gilpin, Ph. D. 1892.—Assoc. Chemistry.
Ross Granville Harrison (F), Ph. D. 1894, Bruce Fellow, 1894, Instr. Assoc. Assoc. Prof. 1896-1907; M. D. Bonn 1899; Lecturer, Bryn Mawr, 1894-95.—Prof. Compar. Anat. Yale.
George Newton Cressy Henschen.—Instr. High School, Harrisburg, Pa.
William Sadler Hilles.—Baltimore.
William Isaac Hull, Ph. D. 1892.—Prof. Hist. Swarthmore, Pa.
Harry Clary Jones (F), Ph. D. 1892.—Prof. Phys. Chem.
George Charles Keidel (F), Ph. D. 1895.—Assoc. Romance Lang.
*Jesse William Lazear, M. D. P. and S. (N. Y.) 1892; Asst. Clin. Micros. 1899-1900; Asst. Surg. U. S. A. 1900. **September* 25, 1900.
Alfred Mann, M. D. P. and S. (N. Y.) 1892.—Asst. Path. Univ. of Denver; Physician, Denver, Colo.
Charles Carroll Marden, Ph. D. 1894; Instr. Mich. 1890-91.—Prof. Spanish.
William Watson McCulloh, LL. B. Univ. of Md. 1892; M. D. Univ. of Pa. 1898.—Physician, Balt.
Philip Randle Moale, Ph. D. 1894.—Chemist, Asheville, N. C.
Waldo Newcomer.—Prest. Nat. Exchange Bank, Balt.; Member Board of Trustees.
Leonard Magruder Passano.—Asst. Prof. Math. Mass. Inst. Tech. Boston.
Arthur Jackson Patek, M. D. Univ. of Pa. 1892.—Physician, Milwaukee, Wis.
William Peters Reeves, Ph. D. 1893; Asst. Union 1895-97; Prof. Iowa Univ. 1897-1900.—Prof. English, Kenyon, Gambier, O.
Legh Wilber Reid, Princeton (M. S. 1896; Instr. 1893-1900); Ph. D. Göttingen 1899.—Prof. Math. Haverford.
Ralph Robinson, LL. B. Univ. of Md. 1891.—Atty. at Law, Balt.
Brantz Mayer Roszel (F), Ph. D. 1896; Instr. Wash. High School 1896-1903; Head Master, Sewanee Gram. School 1903-08.—Princ. Shenandoah Valley Acad. Winchester, Va.
Rev. John George Sadtler, S. T. B. Gen. Theol. Sem. N. Y. 1893.—Clergyman, Balt.
Benjamin Bittinger Shreeves, LL. B. Univ. of Md. 1891.—Atty. at Law, Balt.
Robert Tunstall Taylor, LL. B. Univ. of Va. 1891.—Surgeon, Balt.; Chief Surgeon, Hosp. for Crippled Children.
Walter Herron Taylor, LL. B. Univ. of Va. 1891.—Atty. at Law, Norfolk, Va.
Winfield Scott Thomas.—Asst. Prof. Education and Examiner of Schools, Univ. of Cal. Berkeley.
Harry Maas Ullmann, Ph. D. 1892; Hon. Fellow, Chicago 1892-93.—Asst. Prof. Anal. and Indus. Chem. Lehigh.
Horatio Alanson Warren.—Teacher, Broad Brook, Conn. (36)

1890

John McEwen Ames.—Mech. Eng. New York.
William Hand Browne, Jr. Profic. in Elec. 1892; Instr. Univ. of Neb. 1896-98; Asst. Prof. Univ. of Ill. 1898-1902.—Tech. Ed. *Electrical Review*, N. Y.
James Edmund Bryan, Jr.—Supervisor of Schools, Camden, N. J.
Rev. Ralph Erskine Carson, Allegheny Theol. Sem. 1895.—Missionary, Dolaib Hill, Soudan, Egypt.
*William Henry Carson, LL. B. and A. M. Harvard 1894. **August* 12, 1899.
Sydney Million Cone, M. D. Univ. of Pa. 1893; Asst. Surg. Path. 1896-1900.—Physician, Balt.; Lecturer, Balt. Med. Coll.
Vernon Cook, LL. B. Univ. of Md. 1892.—Atty. at Law, Balt.
Lucius Bradley Dorr, M. D. Univ. of Md. 1890.—Physician, Buffalo, N. Y.

Edwin Stanton Faust, Ph. D. Munich 1893; M. D. Strassburg 1898; Asst. 1894-95.—Prof. Pharmacol. Strassburg.

Ned Arden Flood, Allegheny (A. M. 1898, Lecturer 1895-98).—Atty. at Law, Meadville, Pa.

Herbert Friedenwald, Ph. D. Univ. of Pa.—Philadelphia.

Fielding Hudson Garrison, M. D. Georgetown 1893. — Physician, Washington.

Philip Fisting Gerry, Catholic Univ. (Ph. D. 1900, late Fellow and Instr.); late Director, English Instruc. Tech. Schools, Washington.—Editor, Washington.

George William Gray, Ph. D. 1895.—Chemist, Standard Oil Co. Whiting, Ind.

Samuel H. Guggenheimer.—Atty. at Law, N. Y.

Daniel Dorsey Guy. — Journalist, Washington, D. C.

James Chew Johnston, M. D. N. Y. Univ. 1892. — Physician, N. Y. Instr. Pathol. etc. Cornell.

Edward Parkin Keech, Jr. LL. B. Univ. of Md. 1892.—Atty. at Law, Balt.

Henry McElderry Knower, (F), Ph. D. 1896, Bruce Fellow 1895-96; Instr. Williams 1896-97. — Instr. Anat.; Sec. and Co-Editor *American Journal of Anatomy.*

Berwick Bruce Lanier, M. D. Univ. of Md. 1892.—Physician, Balt.

Sylvan Hayes Lauchheimer, LL. B. Univ. of Md. 1892.—Atty. at Law, Balt.; Asst. City Solicitor.

Tilghman Brice Marden, M. D. Univ. of Md. 1892.—Physician, Balt.; Assoc. Prof. Biol. and Histol. Balt. Med. Coll.

George Clarence Morrison, LL.B. Univ. of Md. 1893; Supt. Md. Sch. for Blind 1903-05.—Atty. at Law, Balt.

Arthur Alexander Oehm.—Instr. in Music, Balt.

*Arthur Rosewald Oppenheimer, M. D. Univ. of Pa. 1893. **April* 29, 1895.

Rev. Lyman Pierson Powell.—Clergyman, Northampton, Mass.

Rev. Samuel Guy Snowden, B. D. Drew Theol. Sem. 1893.—Clergyman, Elizabeth, N. J.

James Ernest Stokes, M. D. Univ. of Md. 1892.—Physician, Salisbury, N. C.

Isaac Lobe Straus, LL. B. Univ. of Md. 1892.—Atty. General of Md. Balt.

*Charles Snowden Watts, LL. B. Univ. of Md. 1893. **May* 26, 1906.

William Wallace Whitelock, Ph. D. Munich 1892.—New York.

William Whitridge.—Baltimore.

Adolph Grant Wolf, Columbian (LL. B. 1892, LL. M. 1893).—Assoc. Justice. Supreme Court of Porto Rico, San Juan.

Frank Alfred Wolff, Jr. (F), Ph. D. 1893.—Prof. Elec. Eng. George Washington Univ.; Physicist, Bureau of Standards, Wash.

James Homer Wright, M. D. Univ. of Md. 1892; Harvard (A. M. 1894, Hon. D. Sc. 1905); Fellow, Univ. of Pa. 1892-93.—Instr. Pathol. Harvard; Chief Pathologist, Mass. Gen. Hosp., Boston.

Rev. Oscar Woodward Zeigler, Princeton Theol. Sem. 1893; A. M. Princeton 1894.—Clergyman, Perryman, Md.

Inazo Nitobe (Ota), (*extra ordinem*), Ph. D. Halle 1890.—Prof. Econ. Univ. of Kyoto, Japan. (37)

1891

Michael Alexander Agelasto, A. M. Columbia 1893.—Norfolk, Va.

*Delano Ames, M. D. Univ. of Md. 1892. **March* 10, 1899.

Thomas Stockham Baker (F), Ph. D. 1895.—Lecturer, German: Prof. Mod. Lang. Tome Inst. Port Deposit, Md.

Randolph Barton, Jr. LL. B. Univ. of Md. 1893.—Atty. at Law, Balt.; Prof. Balt. Law School.

Daniel Base, Ph. D. 1895.—Assoc. Prof. Chem. Md. Coll. of Pharmacy and Coll. of P. and S., Balt.

William F. Bissing, M. E. Ohio State Univ. 1893.—Patent Atty. N. Y.

Rev. Frederick Foye Briggs, Crozer Theol. Sem.—Clergyman, Wilmington, Del.

Shellman Baer Brown, Profic. in Elec. 1893.—Civil Engr. Annapolis, Md.

Thomas Morris Brown.—Elec. Engr. Cleveland, O.

Sydney Hand Browne, Profic. in Elec. 1893.—Elec. Engr. Boston.

Henry Andrews Bumstead, Ph. D. Yale 1897.—Prof. Physics and Director, Sloane Lab. Yale.

Frank Kenneth Cameron, Ph. D. 1894; Fellow and Asst. Cornell 1894-95, 1897-98; Asst. Prof. Catholic Univ. 1895-97.—Scientist, Bureau of Soils, Agric. Dept. Wash.

Malcolm John Cameron, A. M. St. Francis Xavier (N. Y.) 1892; LL. B. and A. M. Columbia 1894. —Atty. at Law, N. Y.

George Carey.—New York.

Rev. Neilson Poe Carey, S. T. B. Gen. Theol. Sem. N. Y. 1897.—Clergyman, Norwich, Conn.

Abraham Cohen (F), Ph. D. 1894.—Assoc. Mathematics.

Harry Webster Cooke.—Atty. at Law, Balt.

Arthur Aaron Dembitz.—Instr. Jewish History, Gratz Coll. Phila.

Augustus Kountze Detwiler, M. D. Univ. of Pa. 1894. — Physician, Omaha, Neb.

George W. Dobbin, M. D. Univ. of Md. 1894; Asst. and Assoc. 1895-1901.—Physician, Balt.; Prof. Obstetrics, Coll. of Phys. and Surg.

William Francis Gallaway (F), Ph. D. 1896.—Prin. Chatham Acad. Savannah, Ga.

George Henry Heitmuller, M. D. Univ. of Pa. 1894.—Physician, Washington.

Philip Hanson Hiss, Jr. Columbia (M. D. 1895, Ph. D.).—Physician, N. Y.; Prof. Bacteriol. Columbia.

Jacob H. Hollander (F), Ph. D. 1894; Treas. Porto Rico 1900-01; Special Commr. to Santo Domingo 1905.—Prof. Pol. Econ.

Charles McHenry Howard, LL. B. Univ. of Md. 1893.—Atty. at Law, Balt.

Reid Hunt (F), Ph. D. 1896; Assoc. and Assoc. Prof. 1898-03; M. D. P. and S. (Balt.) 1896; Tutor, Columbia 1896-98.—Pharmacologist, Bureau of Public Health, Washington.

Charles William Leverett Johnson (F), Ph. D. 1896; Instr. Yale 1897-1900, Princeton 1900-03.—Balt.

Henry Webster Keating.—Head Master, St. James School, Md.

*William Knower, LL. B. Univ. of Md. 1893. **December* 27, 1894.

George Lefevre (F), Ph. D. 1896, Bruce Fellow 1895-97, Asst. 1897-98.—Prof. Zool. Univ. of Mo. Columbia.

George Milton Linthicum, M. D. P. and S. (Balt.) 1893.—Physician, Balt.; Prof. Histol. etc. Md. Med. Coll.

Hugh Sisson Magruder, S. B. Columbia 1898.—Architect, Balt.

Arthur William McDougall.—Gen. Sec. Assoc. Charities, Orange, N. J.

Rev. Whitford L. McDowell.—Clergyman, Balt.

James Farnandis Mitchell, M. D. 1897; Instr. Surg. 1900-02.—Surgeon, Washington.

Archibald Campbell Murray.—Baltimore.

Charles Fairbank Painter, Harvard (M. D. 1895, Asst. 1897-99).—Physician, Boston; Prof. Orthopedic Surg. Tufts Med. Coll.

Alfred Wilmot Pleasants.—Baltimore.

Alfred Magill Randolph, Jr. Profic. in Elec. 1895.—Elec. Engr. Manchester, Eng.

William Ferdinand Rittler.—Second Lieut. U. S. A. Monterey, Cal.

Charles James Search, M. D. Univ. of Wooster 1892.—Physician Brooklyn.

Alfred Jenkins Shriver, LL. B. Univ. of Md. 1893; A. M. Loyola 1894.—Atty. at Law, Balt.; Sec. Gen. Alumni Assoc.

Rev. James Lawrenson Smiley.—Clergyman, Annapolis, Md.

Samuel King Smith, LL. B. Univ. of Md. 1893.—Atty. at Law, Balt.

Rev. Daniel Gurden Stevens, Jr. (F), Ph. D. 1894; B. D. Crozer Theol. Sem. 1897.—Clergyman, Bryn Mawr, Pa.

Charles Morton Stewart, Jr.—Baltimore.

William Stuart Symington, Jr. Ph. D. 1895; Instr. and Assoc. Prof. Stanford 1893-95; Prof. Romance Lang. Amherst 1895-1903.—Atty. at Law, Balt.

Matthew Möller Johnston Vea.—Stoughton, Wis.

Rev. Edward Louis Watson.—Clergyman, Balt.

Charles Joseph West.—Atty. Gen. of Oklahoma, Guthrie.

Charles Francis Woods, Jr. Ph. D. 1897; Prof. Woman's Coll. Richmond 1897-99; Instr. Swarthmore 1899-1900, Pa. Coll. 1900-02, Univ. of Colo. 1903-04.—Instr. Mod. Lang. Lehigh, S. Bethlehem, Pa.

(51)

1892

Harry Adler, M. D. Univ. of Md. 1895.—Physician, Balt.

Newton Diehl Baker, Jr. LL. B. Wash. and Lee 1894.—Atty. at Law and City Solicitor, Cleveland; Prof. Baldwin Univ. O.

Charles Gambrill Baldwin, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.

Edwin Bernhard Behrend, M. D. Georgetown 1894.—Physician, Wash.; Prof. Pathol. Georgetown Univ.

Rev. Lunsford Emory Bennett, B. D. Drew Theol. Sem. 1894.—Clergyman, New Windsor, Md.

Arthur Fisher Bentley (F), Ph. D. 1895.—Chicago.

George Edward Boynton.—Instr. Hist. etc. High School, Brooklyn.

Thomas Richardson Brown, M. D. 1897.—Physician, Balt.; Asst. Physician; Assoc. Medicine.

Alfred Cookman Bryan, Ph. D. 1896; Instr. Wash. High School, 1896-02, Brooklyn Polytech. Prep. Sch. 1902-04.—Instr. Hist. N. Y. School of Commerce.

*Charles Weathers Bump. **March* 30, 1908.

William Calvin Chesnut, LL. B. Univ. of Md. 1894.—Atty. at Law, Balt.

John Edwin Davis, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.

Henry Haywood Glassie.—Atty. at Law, Washington.

Leon Emanuel Greenbaum, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.

James Wesley Harvey, Jr. LL. B. Univ. of Md. 1893.—Baltimore.

William August Haussmann (F), Ph. D. 1895.—Instr. German, Central High Sch. Phila.

Jose Lewis Hirsh, M. D. Univ. of Md. 1895.—Physician, Balt.; Demonstr. Univ. of Md.

Morris James.—Class Instr. High School, Berkeley, Cal.

Hugh Judge Jewett, LL. B. Univ. of Md. 1894.—Atty. at Law, Balt.
Theodore Woolsey Johnson, M. E. Stevens Inst. 1896.—Prof. Mech. Eng. U. S. Naval Acad.
John Holladay Latane, Ph. D. 1895, Shaw Lecturer 1898-99; Prof. Randolph-Macon Woman's Coll. 1898-1902.—Prof. Hist. Wash. and Lee, Lexington, Va.
Edward Jaquelin L'Engle.—Atty. at Law, Jacksonville, Fla.
Earl Perkins Lothrop, M. D. Niagara Univ. 1894.—Physician, Buffalo.
Charles Whitney Mixter, Harvard (A. M. 1893, Ph. D. 1897, Asst. 1896-98, Instr. 1902-03).—Prof. Commerce and Econ. Univ. of Vt., Burlington.
Walter Alexander Montgomery, Ph. D. 1899; Instr. Univ. of Ark. 1899-1900; Acting Prof. Miss. Univ. 1900-01.—Prof. Greek and Latin, William and Mary Coll. Va.
James Flack Norris (F), Ph. D. 1895; Instr. and Asst. Prof. Mass. Inst. Tech. 1895-04.—Prof. Chem. Simmons Coll. Boston.
Thomas Dobbin Penniman, Ph. D. 1898.—Elec. Eng. Balt.
Charles William Peppler (F), Ph. D. 1898.—Prof. Greek, Emory Coll. Oxford, Ga.
Albert Moore Reese, Ph. D. 1901; Prof. Allegheny 1901-02; Assoc. Prof. Syracuse 1902-07.—Prof. Zool. W. Va. Univ. Morgantown.
William Miller Roberts, M. D. Univ. of Md. 1897.—Surg. U. S. A. Balt.
Abram Barr Snively, M. D. Univ. of Pa. 1895.—Physician, Waynesboro, Pa.
John Sargent Stearns, M. D. Georgetown 1894.—Physician, Washington.
Charles Daniel Steenken, M. D. P. and S. (N. Y.) 1896.—Physician, Balt.
Leopold Stern.—Baltimore.
Lester Latham Stevens, LL. B. Univ. of Md. 1894.—Atty. at Law, Balt.
Gustav Lurman Stewart.—Baltimore.
*John Stewart. **September* 27, 1903.
Redmond Conyngham Stewart, LL. B. Univ. of Md. 1894.—Atty. at Law, Balt.
Arthur Bertram Turner, Ph. D. Univ. of Pa. 1902; Prof. Temple Coll. Phila. 1895-99.—Instr. Math. N. Y. City Coll.
Harold John Turner, Ph. D. 1899; Prof. West. Md. 1900-01; Asst. Tufts 1903-04.—Science Director, High Sch. Montclair, N. J.
Richard Henry Wilson, Jr. Ph. D. 1898, Instr. 1898-99.—Prof. Romance Lang. Univ. of Va. (41)

1893

John Robert Abercrombie, M. D. Univ. of Md. 1895.—Physician, Balt.; Lecturer, Woman's Med. Coll.
Adolph Hall Ahrens.—Baltimore.
Theodore George Ahrens.—Grad. Student.
Delaware Clayton Andre, LL. B. Univ. of Md. 1894.—Atty. at Law, Balt.
Frank Andrews.—Expert, Bureau of Statistics, Dept. of Agric. Wash.
William Steenbergen Blackford.—Baltimore.
George Stewart Brown, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.; Instr. Balt. Law School.
William Lawrence Clark.—Baltimore.
Frank Angier Clark.—Prof. Latin and Greek, Mars Hill Coll. N. C.
Edward Lowell Cox.—Atty. at Law, Parkersburg, W. Va.
Noah Ernest Dorsey (F), Ph. D. 1897, Asst. and Assoc. 1897-1901.—Physicist, Bureau of Standards, Washington.
Howard Blake Dowell, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.
John Hooper Edmondson, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.
Henry Simpson Greenleaf, M. D. Univ. of Pa. 1895.—Res. Phys. Amer. Hosp. Peking, China.
Wilmot Griffiss.—Los Angeles, Cal.
Louis Philip Hamburger, M. D. 1897.—Physician, Balt.; Asst. Phys.; Assoc. Medicine.
John Hampden Hazelton.—Atty. at Law, N. Y.
Lloyd Lowndes Jackson, Jr. LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.
Millard Langfeld, M. D. 1898.—Phys. and Bacteriol. Board of Health, Omaha, Neb.; Prof. Bacteriol. Creighton Med. Coll.
John Leypold Griffith Lee, LL. B. Univ. of Md. 1894.—Atty. at Law, Balt.
Jacob Moses Moses, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.
*Clayland Mullikin, LL. B. Univ. of Md. 1893. **May* 3, 1905.
Charles Watson Newhall.—Math. Master, Shattuck School, Faribault, Minn.
Frederick Bogue Noyes, D. D. S. Northwestern.—Prof. Histol. Dental Dept. Northwestern Univ.; Dentist, Chicago.
Eugene Lindsay Opie (F), M. D. 1897, Asst. Instr. Assoc. Pathol. 1898-04.—Member, Rockefeller Inst. N. Y.; Demonstr. Columbia; Co-Ed. *Jour. of Exper. Med.*
Charles Bingham Penrose, Jr. LL. B. Univ. of Md. 1898.—Atty. at Law, Balt.
Clement Andariese Penrose, M. D. 1897.—Physician, Balt.
Charles Carroll Schenck, Ph. D. 1901; Asst. Lehigh 1901-02; Instr. McGill, 1902-05.—Instr. Physics, Lehigh, S. Bethlehem, Pa.
Siegmund Bacharach Sonneborn.—Baltimore.

Morris Ames Soper, LL. B. Univ. of Md. 1895.—Asst. U. S. District Atty. Balt.; Instr. Balt. Law School.
Francis Edgar Sparks, Ph. D. 1896. —Atty. at Law, Balt.
Alfred Earnest Speirs.—Chicago, Ill.
Hugo Paul Thieme, Ph. D. 1897; Asst. Prof. Earlham 1897-98; Lecturer 1900-01.—Asst. Prof. French, Univ. of Mich.
Douglas Hamilton Thomas, Jr.—Architect, Balt.
Edwin Litchfield Turnbull.—Baltimore.
Rev. John Ogle Warfield, S. T. B. Episc. Theol. School, Mass. 1906. —Clergyman, Chestnut Hill, Phila.
Henry Skinner West (F), Ph. D. 1899, Instr. 1899-90; Prof. Eng. Balt. City Coll. 1894-97 and 1900; Prin. Western High School 1900-06.—Asst. Supt. of Schools, Balt.
Frederick Wallace Wilson.—Atty. at Law, The Dalles, Oregon.
Leo Wolfenstein.—Cleveland, O.
William Hamilton Kirk (*extra ordinem*) (F), Ph. D. 1895; Instr. Vanderbilt 1895-00.—Prof. Latin, Rutgers, New Brunswick, N. J. (40)

1894

John Griffith Ames, Jr. A. M. Oxford 1899; Prof. Kenyon 1895-97. —Prof. English, Illinois Coll. Jacksonville.
William Stevenson Baer, M. D. 1898. —Surgeon, Balt.; Orthoped. Surg.; Assoc.
Rev. Adolph Ehart Baker, Union Theol. Sem. (Va.) 1897.
Walter Baumgarten, M. D. Wash. Univ. 1896; Asst. Harvard 1897-98; Asst. Med. 1903-04.—Physician, St. Louis; Instr. Wash. Univ.
Arthur Henry Baxter, Ph. D. 1898. —Asst. Prof. Romance Lang. Amherst.
Ernest Julius Becker, Ph. D. 1898; Prof. Woman's Coll. Richmond 1899-01.—Instr. Mod. Lang. Balt. City Coll.
Thomas Pumphrey Benson, M. D. Univ. of Md. 1898.—Physician, Pumphrey's, Md.
Thomas Fitz Patrick Cameron.—New York.
Moses S. Cohen, LL. B. Univ. of Md. 1896.—Atty. at Law, Balt.
Bernard Milton Cone. Columbia (A. M. 1896, LL. B. 1897).—Greensboro, N. C.
Charles Angelo Conrad, LL. B. Univ. of Md. 1897.—Baltimore.
Walter Cox, M. D. Balt. Univ. 1898. —Asst. Surg. U. S. Marine Hosp. Service.
Percy Millard Dawson (F), M. D. 1898.—Assoc. Prof. Physiol.
Eli Frank, LL. B. Univ. of Md. 1896. —Atty. at Law, Balt.; Instr. Balt. Law School.
Nathaniel Edward Griffin, Ph. D. 1899; Instr. Iowa Univ. 1899-1900; Prof. Wells Coll. 1900-03; Instr. English, Univ. of Vt. 1903-04.—Preceptor, English, Princeton.
Benjamin Howell Griswold, Jr. LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.
Richard Jordan Hancock, Jr.—Atty. at Law, Atlanta, Ga.
Stephen Cloud Harry.—Math. Instr. Friends' School, Balt.
Thomas Wood Hastings, M. D. 1898. —Physician, N. Y.; Prof. Clin. Pathol. Cornell.
Rev. Conrad Augustine Hauser, Lancaster Theol. Sem. 1897.—Clergyman, Rochester, N. Y.
Herman Frederick Krafft, LL. B. Columbia 1898.—Morristown, N. J.
Harry Taylor Marshall (F), M. D. 1898, Asst. and Instr. 1900-06.—Prof. Pathol. Sec. and Registrar, Philippine Med. Sch. Manila.
George Stevens Maynard, Profic. in Elec. 1896.—Gen. Elec. Co. Schenectady.
Louis Wardlaw Miles (F), M. D. Univ. of Md. 1897; Ph. D. 1902.—Preceptor, English, Princeton.
William Albert Nitze (F), Ph. D. 1899; Lecturer and Tutor, Columbia 1899-03; Prof. Amherst 1903-08.—Prof. Romance Lang. Univ. of Cal. Berkeley.
James Piper, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.
John Eugene Howard Post.—French Master, Country School for Boys, Balt.
John Hurst Purnell.—Baltimore.
Milton Reizenstein, Ph. D. 1897.—Supt. Hebrew Educ. Soc. Brooklyn.
Frank Roy Rutter (F), Ph. D. 1897. —Dept. of Agric. Wash.
Simon H. Stein, LL. B. Univ. of Md. 1896.—Baltimore.
Emerson H. Strickler.—Gen. Chem. Co. N. Y.
Joseph Pembroke Thom, Jr. LL. B. Univ. of Md. 1901.—Atty. at Law, Balt.
Rev. George Harvey Trull, Princeton Theol. Sem. 1897.—Clergyman, Wilmington, Del.
Clinton Gambrill Tudor.—Civil Engr. Reno, Nev.
Malcolm Van Vechten Tyson, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.
Horace Scudder Uhler (F), Ph. D. 1905; Instr. Northwestern 1896-97.—Instr. Physics, Yale.
George Talbot Whitfield.—Atty. at Law, Tallahassee, Fla.
Pere Lethrbury Wickes, Jr.
*Chester Clark Wood. **September* 11, 1895.
James Curtis Ballagh (*extra ordinem*), Ph. D. 1895; LL. D. Univ. of Ala. 1906.—Assoc. Prof. American Hist. (41)

1895

Wilbur Withrow Ballagh.—Tenafly, N. J.

William Sherman Bansemer, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.

Harry Bissing, Profic. in Elec. 1895. —Elec. Engr. N. Y.

Hanson Briscoe Black.—Captain, U. S. Artillery, Ft. Flagler, Wash.

Rev. Charles Henry Hardin Branch, Princeton Theol. Sem. 1898.—Clergyman, Lexington, Ky.

George Dobbin Brown (F), Ph. D. 1901; Acting Prof. Univ. of Vt. 1901-02.—Instr. English, Princeton.

Lawrason Brown, M. D. 1900.—Physician, Saranac Lake, N. Y.

Humphrey Warren Buckler, M. D. 1899, Asst. 1900-06.—Physician, Balt.; Asst. Physician; Prof. Med. Woman's Med. Coll.

William Mack Chowning, S. B. Knox 1894; M. D. Mich. 1901.—Physician, Minneapolis; Demonstr. Pathol. etc. Univ. of Minn.

Charles Bevan Clark, S. B. Mass. Inst. Tech. 1897.—Civil Eng. Balt.

Gilbert Abraham Coblens.—Baltimore.

*Reuben Carll Foster, LL. B. Univ. of Md. 1897. **January* 27, 1908.

Frank Taylor Fulton, S. B. Knox 1894; M. D. 1899.—Pathologist and Director, Pathol. Lab. R. I. Hosp.; Instr. Brown; Physician, Providence.

*James Daton Gallagher, M. D. 1899. **April* 1, 1901.

George Herbert Gray.—Architect, N. Y.

Milton Daniel Greenbaum, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.

Roland Bridendall Harvey, LL. B. Univ. of Md. 1896.—Atty. at Law, Balt.

George Oscar James (F), Ph. D. 1899; Instr. Univ. of Utah 1896-97; Lecturer, Assoc. Prof. Columbian 1900-02; Instr. Lehigh 1902-03. — Instr. Math. Washington Univ. of St. Louis.

Stuart Symington Janney, LL. B. Univ. of Md. 1901.—Atty. at Law; Instr. Balt. Law School.

Marcus Kaufman, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.

Charles Alexander Kilvert.—Providence, R. I.

Ernest Pendleton Magruder, Columbian (A. M. 1900, M. D. 1902).—Physician, Wash.

*Edward Spiller Oliver, M. D. 1900. **March* 18, 1902.

John Donaldson Parker, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.

David Sterrett Pindell, Profic. in Elec. 1897.—Elec. Engr. Sault Ste. Marie, Mich.

Jacob Hall Pleasants, Jr. M. D. 1899. —Physician, Balt.; Prest. Supervisors of City Charities; Assoc. Prof. Coll. of P. and S.; Asst. Phys.; Instr. Med.

Rev. Gustav Rudolph Poetter, Lancaster Theol. Sem. 1898.—Clergyman, Balt.

John Andrew Robinson, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.

Sylvan Rosenheim, M. D. 1899, Asst. and Clin. Asst. 1903-07.—Physician, Balt.

Charles Albert Savage, Ph. D. 1903. —Asst. Prof. Greek and Latin, Univ. of Minn. Minneapolis.

Edgar Randolph Strobel, M. D. 1899. —Physician, Balt.; Clin. Prof. Balt. Med. Coll.; Clin. Asst.; Instr. Dermatol.

Robert McIlvaine Torrence.—Washington, Pa.

Campbell Easter Waters, Ph. D. 1899; Prof. Conn. Agric. 1900-01; Asst. 1901-04.—Chemist, Bureau of Standards, Wash.

Arthur Charles Watkins, B. D. Union Theol. Sem. N. Y. 1900.—Manager, Univ. Press, Sewanee, Tenn.

Henry Abel Whittaker.—Atty. at Law, Belair, Md.

William Whitridge Williams, M. D. 1899; Asst. Prague 1900-01, Harvard 1901-03.—Asst. Pharmacol. Western Reserve Univ. Cleveland.

William Wingert, LL. B. Univ. of Md. 1897.—Atty. at Law, Hagerstown. (37)

1896

Thomas Sewell Adams (F), Ph. D. 1899.—Asst. Prof. Econ. Univ. of Wis. Madison.

Cornelius Beatty, Prof. Des Moines Coll. 1899-02; Instr. Chem. Grant Univ. Tenn. 1902-06.—Baltimore.

Augustus Cæsar Binswanger.—Atty. at Law, Balt.

Charles Edward Caspari (F), Ph. D. 1900; Asst. Columbia 1900-01.—Prof. Chem. St. Louis Coll. of Pharmacy.

Clarence Carroll Clark, Ph. D. Yale 1903.—Assoc. Prof. English, Bryn Mawr.

Rev. Frank Wilbur Collier, S. T. B. Boston Univ. 1899.—Clergyman, Malden, Mass.

Rev. Charles Edward Diehl, Princeton Theol. Sem. 1900; A. M. Princeton 1900.—Clergyman, Clarksville, Tenn.

William Reginald Dorsey.—Atty. at Law, Balt.

George Dyre Eldridge, Jr. LL. B. Columbia 1900.—New York.

Rev. Albert Dale Gantz, Princeton Theol. Sem. 1899; A. M. Princeton 1899.—Clergyman, New York.

Alfred Dearing Harden.—Atty. at Law, Savannah, Ga.

*William Faithful Hendrickson, M. D. 1900; Asst. Dem. Pathol. Univ. of Pa. 1900-02. **August* 21, 1902.

*Frank Holmes Johnson. **June* 20, 1896.

Charles Harwood Knight.—Baltimore.
William Kurrelmeyer (F), Ph. D. 1899; Prof. Franklin and Marshall 1899-90.—Assoc. German.
Robert Lacy, S. B. Mass. Inst. Tech. 1898.—Civil Engr. Balt.
Henry Lanahan, Prof. Physics. Md. Agric. 1896-1906.—Asst. Examiner, U. S. Patent Office, Wash.
Monroe Luchs.—Washington, D. C.
Arthur Webster Machen, Jr. LL. B. Harvard 1899.—Atty. at Law, Balt.; Instr. Balt. Law School.
Richard Elliott Marine.—Asst. Examiner U. S. Patent Office, Wash.
Henry Pickering Parker, M. D. 1901. —Physician, Wash.; Asst. Emergency Hosp.
Albert Cabell Ritchie, LL. B. Univ. of Md. 1898.—Atty. at Law, Balt.; Asst. City Solicitor.
Louis Rosenbaum, LL. B. Univ. of Md. 1898.—Atty. at Law, Balt.
Glanville Yelsley Rusk, M. D. 1900; Asst. 1902-03.—Pathol. Inst. Ward's Island, N. Y.
Laurence Frederick Schmeckebier (F), Ph. D. 1899.—Chief, Div. of Publications, Dept. of Interior, Wash.
James Eustace Shaw (F), Ph. D. 1900.—Assoc. Italian.
St. George Leakin Sioussat, Ph. D. 1899; Instr. Smith Coll. 1899-04. —Prof. Hist. Univ. of the South, Sewanee, Tenn.
Alexander Raymond Stevens, M. D. 1903.—House Surg. Presb. Hosp. N. Y.
Rev. John Wesley Richardson Sumwalt.—Clergyman, Balt.
John Hanson Thomas, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.
Charles Burnet Torsch.—Baltimore.
James McConkey Trippe, LL. B. Univ. of Md. 1898.—Atty. at Law, Balt.
Charles William Waidner (F), Profic. in Elec. 1892, Ph. D. 1898, Asst. 1898-99; Instr. Williams 1899-1901.—Physicist, Bureau of Standards, Wash.
William Fisher Wallis.—Aid, U. S. Coast and Geodetic Survey.
Frederick Howard Warfield, LL. B. Univ. of Md. 1899.—Atty. at Law, Balt.
Rev. John Armistead Welbourn, A. M. Columbian 1898; Va. Theol. Sem. 1899.—Missionary, Tokyo, Japan.
John Montgomery West, M. D. 1901. —Physician, Balt.; Asst. Laryngol. etc. (37)

1897

Herbert Henry Adams, C. E. Mass. Inst. Tech. 1899.—Civil Engr. St. Thomas, Ont.
Frederick Henry Baetjer, M. D. 1901. —Assoc. Surg.; Surgeon, Balt.
Robert Ernest Belknap.—Pa. Steel Co. Chicago.
Frank Ringgold Blake (F), Ph. D. 1902.—Instr. Hist. Balt. City Coll.; Assoc. Oriental Lang.
Edward Lingan Bowlus, M. D. Univ. of Md. 1906; Prof. Mt. Union Coll. 1902; Instr. Biol. Monmouth Coll. 1902-03.—Physician, Balt.
Charles Keyser Edmunds (F), Ph. D. 1903; Acting Prof. Univ. of Utah, 1898-99.—Prof. Physics. Christian Coll. Canton, China.
Howard Main Gassman, E. E. Lehigh 1901; Instr. Ursinus 1897-99. —Elec. Engr. Ampere, N. J.
Neil Duncan Graham, M. D. 1901.—Physician, Wash.; Asst. Prof. Obstetrics etc. Howard Univ.
Charles Saloman Guggenheimer.—Atty. at Law, N. Y.
Frank Arnold Hancock.—Chemist, Balt.
Landry Harwood, LL. B. Kansas City Law School 1899.—Atty. at Law, Kansas City.
Rev. Eugene de Forest Heald, Jr. S. T. B. Gen. Theol. Sem. N. Y. 1907.—Clergyman, Asheville, N. C.
Michael Ernest Jenkins, LL. B. Harvard 1900.—Atty. at Law, Balt.
Harry M. Kaufman, M. D. 1901.—Physician, Wash.; Dem. Pathol. George Washington Univ.
Rev. Frank Albert Killmon.—Clergyman, Balt.
Rev. John Edgar Knipp, Union Biblical Sem. O. 1900; Instr. Doshisha Kyoto, 1900-03.—Dayton, O.
Theodore Morgan Leary.—New York.
William Strobel Levy.—Atty. at Law, Balt.
Warfield Theobald Longcope, M. D. 1901.—Director, Ayer Clin. Lab. Pa. Hosp. Phila.; Instr. Med. Univ. of Pa.
Charles Edward Lyon, Ph. D. 1904; Instr. Williams 1904-05.—Instr. Mod. Lang. Princeton.
Rev. Henry Clay McComas, Jr. A. M. Columbia 1898; Union Theol. Sem. N. Y. 1900.—Clergyman, Cadillac, Mich.
George Lovic Pierce Radcliffe, Ph. D. 1900; LL. B. Univ. of Md. 1903; Prin. Cambridge (Md.) High Sch. 1900-01; Instr. Hist. Balt. City Coll. 1901-02.—Atty. at Law, Balt.
Herbert Meredith Reese (F), Ph. D. 1900; Asst. Lick Observ. 1900-03, Yerkes Observ. 1903-04.—Instr. Physics, Univ. of Mo. Columbia.
Alexander Henry Schulz, Jr.—Balt.
Rev. John Frederick Schunck, B. D. West Phila. Divinity School 1901. —Clergyman, Weldon, Pa.
*Henry Plant Shuter. **October* 17, 1898.
Josiah Morris Siemons, M. D. 1901.—Physician, Balt.; Assoc. Obstetrics.
Samuel Hamilton Spragins, A. M. Yale 1899.—Supt. of Schools, Helena, Ark.
Albert Louis Steinfeld, M. D. 1901.—Lecturer, Toledo Med. Coll.; Physician, Toledo, O.

James McIlhany Thomson.—Editor, *The Item*, New Orleans, La.
Albert James Underhill, M. D. 1901. —Phys., Balt.; Clin. Asst. Surg.
Louis Marshall Warfield, M. D. 1901. —Physician, St. Louis; Instr. Wash. Univ.
George William Warren, M. D. 1901. —Physician, N. Y.
David Emrich Weglein, Instr. Balt. City Coll. 1902-06.—Princ. Western High School, Balt.
Dudley Williams, M. D. 1902.—Physician, Balt.; Asst. Phys.
Henry Merryman Wilson.—Prof. Textiles, A. and M. Coll. of N. C. Raleigh.
Charles Knickerbacker Winne, Jr. M. D. 1901.—Physician, Albany, N. Y.; Instr. Albany Med. Coll. (37)

1898

Zadok Marshall Ballard.—Editor, *The Item*, New Orleans, La.
Odin Baltimore Bestor.—Civil Engr. Ridge Top, Tenn.
Duncan Kenner Brent, LL. B. Univ. of Md. 1900.—Atty. at Law, Balt.
Bennet Bernard Browne, Jr. M. D. 1902.—Physician, Balt.; Clin. Asst.
George Miltenberger Clarke.—Atty. at Law, N. Y.
Henry Wireman Cook, M. D. 1902.—Physician, Minneapolis.
Rev. Albert Charles Dieffenbach, Lancaster Theol. Sem. 1901.—Clergyman, Allegheny, Pa.; Ed. of "Religion," Pittsburg *Gazette-Times*.
Gustavus Charles Dohme, M. D. 1902. —Physician, Balt.; Assoc. Prof. Chem. Md. Med. Coll.
Ralph Duffy, M. D. 1902.—Pathol., West. Pa. Hosp.; Phys., Pittsburg.
James F. Ferguson.—Baltimore.
John Somerville Fischer, M. D. 1903. —Chief Med. Clinic, St. Joseph's Hosp. Disp.; Assoc. Balt. Med. Coll.; Phys., Balt.
Thomas Fitzgerald, Jr.—Elec. Engr. Lexington, Ky.
Lawrence Hall Fowler, S. B. Columbia 1902.—Architect, Balt.
William Willoughby Francis, M. D. 1902, Asst. 1904-05.—Phys., Montreal; Clin. Asst. Royal Victoria Hosp.; Asst. Dem. McGill Univ.
William Cazenove Gardner.—Dixon, Wyoming.
Alexander Gordon, Jr. LL. B. Univ. of Md. 1900.—Atty. at Law, Balt.
William Browne Hammond, Jr. LL. B. Univ. of Md. 1900.—Atty. at Law, Balt.
Philip Warner Harry, Ph. D. 1903; Instr. Univ. of Me. 1901-02, Univ. of Cincinnati 1903-06. — Instr. French Northwestern Univ. Evanston, Ill.
Leonard Keene Hirshberg, M. D. 1902.—Physician, Balt.; Assoc. Neurol. Coll. of P. and S.; Chief, Nerve Clinic, City Hosp.
Conway Shaler Hodges.—Atty. at Law, Balt.
William Randle Hubner, LL. B. Univ. of Md. 1900.—Atty. at Law, Balt.
Robert Henry Jones.
*Charles Wesley Kalb. **October* 31, 1907.
James Alfred Kennard, LL. B. Univ. of Md. 1901.—Toronto, Ont.
Louis Charles Lehr, M. D. 1902.—Phys., Washington.
Henry John Lucke, Lafayette (A. M. 1901, Instr. Math. 1900-02).—Asst. Examiner, U. S. Patent Office, Wash.
David Gregg McIntosh, Jr. LL. B. Univ. of Md. 1901.—Atty. at Law, Balt.
Frank Oldham Miller, M. D. Univ. of Md. 1902.—Physician, Balt.
Raymond Durbin Miller (F), Ph. D. 1904; Instr. Univ. of Texas 1905-06.—Instr. English, Syracuse Univ.; Fellow by Courtesy.
Solomon Brenner Myers.—New York.
Harold Pender, Ph. D. 1901; Instr. Physics, Syracuse Univ. 1902-03. —Elec. Engr. N. Y.
Thomas Lindley Pyle.—Pylesville, Md.
Vincent Adams Renouf.—Prof. Hist. etc. Univ. of Tientsin, China.
George Barr Scholl, M. D. 1902.—Physician, Balt.; Prof. Pathol. Md. Med. Coll.; Pathol. Franklin Sq. Hosp.; Health Officer, City Board of Health.
Alexander Lazear Seth, LL. B. Univ. of Md. 1901.—Atty. at Law, Balt.
Frederick Williamson Smith, C. E. Mass. Inst. Tech. 1901.—Engr. Mattoon, Ill.
Robert Marsden Smith, LL. B. Univ. of Md. 1900.—Atty. at Law, Balt.
Victor Edgeworth Smith. — New York.
Charles Miner Stearns.—Regent and Instr. English, Harvard.
Leo D. Stein.—Artist, Paris.
William Plunket Stewart.—Phila.
Albert Gad Stidman, Instr. Mod. Lang. Lehigh, 1902-04.—Baltimore.
William Ellinger Straus. — Baltimore.
Joseph Nathan Ulman, A. M. Columbia 1900.—Atty. at Law, Balt.
John Boswell Whitehead, Profic. in Elec. 1893, Ph. D. 1902.—Assoc. Prof. Elec.
Powhatan Johnson Wooldridge.—Grad. Student.
Jacob Forney Young.—Baltimore.
Rev. Charles Smith Lewis (*extra ordinem*), S. T. B. Gen. Theol. Sem. (N. Y.) 1895.—Clergyman, Lafayette, Ind. (48)

1899

James Robert Charlton Armstrong, Profic. in Elec. 1899.—Elec. Engr. N. Y.
George Diuguid Davidson, late Instr. Romance Lang. Univ. of Va.

Henry Carter Downes, LL. B. Univ. of Md. 1901.—Atty. at Law, Balt.
Ferdinand Colquhoun Fisher.—Balt.
Walter Melvin Fooks.—Atty. at Law, Balt.
Eddy Burke Fosnocht.—Mod. Lang. Master, Riverview Acad. Poughkeepsie, N. Y.
Simon Walter Frank.—Baltimore.
John Calvin French (F), Ph. D. 1905.—Instr. English.
*Charles Carter Gaddess. **June* 16, 1901.
John Reed Gemmill.—Denver, Colo.
Harry Seliger Greenbaum, M. D. 1904.—Asst. Phys.; Asst. Med.; Physician, Balt.
Robert Harold Grimes, LL. B. Harvard 1902.—Atty. at Law, N. Y.
Clarence Maurice Guggenheimer.—New York.
Hugh Sisson Hanna, Ph. D. 1906.—Baltimore.
Stephen Paul Harwood. — Atty. at Law, Balt.
Louis Wardlaw Haskell, Jr. M. D. 1903.—Physician, Memphis; Asst. Prof. Coll. of P. & S.
Talbot Dickson Jones.—Baltimore.
Leon Lewis Joyner.—Baltimore.
Karl Jungbluth, Jr.—Louisville, Ky.
John Albert Kalb. — Supervising Princ. Public Schools, Millburn, N. J.
John Hendricken King, M. D. 1906. —Physician, Balt.; Asst. Med.
George Wroth Knapp, Jr.—Balt.
Walter Marshall Krager.—Balt.
Herman Kurrelmeyer (F), Ph. D. 1902. — Instr. Mod. Lang. Mass. Inst. Tech.
*Joshua Levering, Jr. **August* 23, 1900.
James Morfit Mullen.—Atty. at Law, Balt.
Philip Austen Murkland, LL. B. Univ. of Md. 1901.—Chicago.
Edward Livingston Palmer, Jr. —Architect, Balt.
John Howard Palmer.—Baltimore.
Charles Mallory Remsen, M. D. 1904. —Surgeon, Balt.
Lawrence Anton Reymann. — Atty. at Law, Wheeling, W. Va.
Edward Ayrault Robinson, Jr.— Atty. at Law, Balt.
George Canby Robinson, M. D. 1903. —Res. Phys. Pa. Hosp. Phila.
William Leavell Ross. — Asst. Ed. *The Leader*, Cleveland, O.
Edwin Albert Spilman.—Baltimore.
Rene de M. Taveau. — Chemist, Washington.
Richard Henry Thomas.
Ottomar Siegmund Werber. (38)

1900

Rev. Roger Brooke Tanev Anderson, S. T. B. Gen. Theol. Sem. (N. Y.) 1903.—Clergyman, West Park, N.Y.
Howard Baetjer, C. E. Mass. Inst. Tech. 1902.—Civil Engr. Pittsburg.
Christian John Beeuwkes.—Atty. at Law, Balt.
Henry Bogue.—Instr. Balt. Polytech. Inst.
*Byron Noble Bouchelle. **March* 4, 1908.
Austin Adams Breed.—Cincinnati, O.
Charles Edward Brooks, Ph. D. 1904. —Fayetteville, N. C.
Edward Skipwith Bruce.—Balt.
James Luther Albert Burrell.
Rev. Lyttleton Morgan Chambers.—Clergyman, Balt.
Christopher Thompson Clark, LL. B. Columbian 1903. — Atty. at Law, Kansas City, Mo.
McQuilkin DeGrange, LL. B. Catholic Univ. 1903; Asst. English. Univ. of Wash. 1904-06.—Student, Columbia Univ.
John Howard Eager.—Baltimore.
Rev. John Edward Ewell, Va. Theol. Sem. 1903.—Clergyman, Hancock, Md.
Frederick Bonner Flinn.—Newark, N. J.
Frederick Foster. — Atty. at Law, Boston.
Otto Charles Glaser, Ph. D. 1904, Bruce Fellow 1904-05. — Instr. Zool. Univ. of Mich.
Joseph David Greene.—Atlanta, Ga.
John Wheeler Griffin, LL. B. Harvard 1903.—Atty. at Law, N. Y.
Stuart Heyman.—Baltimore.
Henry Dickinson Hill, Ph. D. 1904. —Elec. Engr. Wilkinsburg, Pa.
John Philip Hill, LL. B. Harvard 1903.—Atty. at Law, Balt.
Edward Pechin Hyde (F), Ph. D. 1906.—Physicist, Bureau of Standards, Wash.
Albert Keidel, M. D. 1903.—Physician, Balt.
Robert Clark Kerr.—Baltimore.
Maurice Lazenby, M. D. 1903.—Physician, Balt.; Lecturer, Woman's Med. Coll.; Assoc. Md. Med. Coll.
Donald Macy Liddell. — Chemist, Chrome, N. J.
Norvin Rudolf Lindheim.—Atty. at Law, N. Y.
Leonard Leopold Mackall (F).—Student in Germany.
Thomas Hartley Marshall.—Balt.
Reginald Ley McAll.—New York.
Jared Sparks Moore, Harvard (A. M. 1903, Ph. D. 1905, Asst. Philos. 1904-07).
James Girvin Peters, M. F. Yale 1903. —U. S. Forestry Service, Wash.
Tobias Noel DeLoughmoe Purcell.—Baltimore.
Robert Bruce Roulston (F), Ph. D. 1906.—Instr. German 1908—
Frank Peyton Rous, M. D. 1905.—Instr. Pathol. Univ. of Mich. Ann Arbor.
James Edward Routh, Ph. D. 1905; Asst. Univ. of Texas 1906-07.—Instr. English, Washington Univ. St. Louis.
Alexander Van Rennsselaer Schermerhorn.—Atty. at Law, Balt.
Wilson Levering Smith.—Architect, Balt.

Miltenberger Neale Smull. — Librarian, Balt.
James Carlyle Stevens.—Norfolk, Va.
George Lane Taneyhill, Jr. M. D. 1904. — Physician, Balt.; Asst. Med.; Asst. Phys.
Bayard Turnbull.—Architect, Balt.
Miller Wingert.—Hagerstown, Md.
Nathan Winslow, M. D. Univ. of Md. 1901.—Physician, Balt.
Arthur Wright.—Atty. at Law, N. Y. (46)

1901

Ronald Taylor Abercrombie, M. D. 1905.—Physician, Balt.; Director, Gymnasium; Lecturer, Woman's Med. Coll.
Hollis Roswell Baker. — Aberdeen, Md.
Leon Kahn Baldauf, M. D. 1905; Instr. Albany Med. Coll. 1905-07. —Asst. City Pathologist, St. Louis.
John Martin Bandel, Auburn Theol. Sem. 1904.—Civil Engr. Louisville, Ky.
Bertram Moses Bernheim, M. D. 1905.—Surgeon, Balt.; Surg. Externe.
Andrew Reid Bird, Presb. Theol. Sem. Richmond 1905.—Clergyman, Laurel, Md.
John Manning Booker. — Grad. Student.
Norman Boyer.—New York.
John Straith Briscoe.—Baltimore.
Ernest Bonsall Brown.—Dept. of Agric. Wash.
*Alfred William Bruton. **May* 1, 1903.
Mortimer Bye.—Chemist, Cincinnati.
Harry Stephenson Byrne, Omaha Law Sch. (LL. B. 1905, Instr. 1906).—Asst. Sec. Nat. Fidelity & Casualty Co., Omaha, Neb.
George Cator, Ph. D. 1902.—Prest. American Bonding Co. Balt.
Kosciusko Walker Constantine, M. D. 1905.—Surgeon, Birmingham, Ala.
Frederick Richard Dapprich.—Instr. German, Purdue, Lafayette, Ind.
Robert Sergeant Duck.—Baltimore.
Aaron Ember (F), Ph. D. 1904.— Rayner Fellow; Instr. Hebrew.
Leyburn Grear Fishach. — Treas. Dept. Wash.
John Frederick Gray.
William Hall Harris, Jr.—Atty. at Law, Balt.
Ernest Cummins Hatch. — Atty. at Law, Towson, Md.
Lee Milton Hollander (F), Ph. D. 1905. — Instr. German, Univ. of Mich.
Walter Isaac Kohn.—Louisville, Ky.
Eugene Joseph Leopold, M. D. 1905. —Physician, Balt.
Edward Breckenridge Lowndes.— Baltimore.
John Gresham Machen, Princeton Theol. Sem. 1905, and Instr. in New Test. Lit. and Greek.
Robert Brooks Morse, S. B. Mass. Inst. Tech. 1904. — Draftsman, Sewerage Commission, Balt.
Rev. Edward Richards Noble, Gen. Theol. Sem. (N. Y.) 1904.—Clergyman, Phila.
George Edward Rehberger, M. D. 1905.—Phys. Sonyea, N. Y.
John Adelbert Riggins, LL. B. Univ. of Pa. 1904.—Atty. at Law, Camden, N. J.
Forrest Shreve (F), Ph. D. 1905; Bruce Fellow 1905-06; Lecturer 1907-08. — Assoc. Prof. Botany, Woman's Coll. Balt.
Rev. William Payne Shriver, Union Theol. Sem. (N. Y.) 1904.—Clergyman, N. Y.
Guy Everett Snavely. — Asst. Prof. French, Allegheny Coll. Meadville, Pa.
Lindsay Coleman Spencer.—Atty. at Law, Balt.
Julian Samuel Stein.—Baltimore.
*Otto Albert Struth. **September* 1, 1902.
Walter B. Swindell, Jr.—Balt.
James Edward Tyler, Jr.—Atty. at Law, Balt.
Henry Michael Warner, M. E. Univ. of Wis. 1903.
Augustus Price West, Ph. D. 1905.— Chemist, Balt.
Horace Slingluff Whitman.—Atty. at Law, Balt.
Marcus Wilton Wolf, Jr.—Atty. at Law, Balt. (43)

1902

Edward Bailey Beasley, M. D. 1906. —Physician, Balt.
Henry Beeuwkes, M. D. 1906. — House Phys. and Surg. Hudson St. Hosp. N. Y.
Elbridge Palmer Bernheim.—Louisville, Ky.
William Jackins Butler.—Md. Steel Co. Sparrows Pt.
John Gorsuch Campbell.—Instr. St. James School, Md.
Robert Treat Crane (F), Ph. D. 1907. U. S. Consular Service, Montreal, Canada.
Albert Goucher Dew.—Grad. Student.
Ross Miles Diggs. — Atty. at Law, Balt.
Joseph Townsend England.—Atty. at Law, Balt.
Horace Clendenin Gillespie.—Chemist, Camden, N. J.
John Sharshall Grasty. — Univ. Scholar.
Frederick Lee Guggenheimer.—Atty. at Law, N. Y.
Rev. John Phelps Hand.—Clergyman, Balt.
Henry Honeyman Hazen, M. D. 1906.—Asst. Phys. Phipps. Disp.; Res. Phys. St. Agnes Hosp. Balt.
Louis Foltat Hildebrandt. — Grad. Student.
William Bryant Hill.

William Edwin Hoffman, Jr. Ph. D. 1905.—City Chemist, Balt.
William Kirk (F), Ph. D. 1905.—Asst. Prof. Econ. Brown Univ. Providence.
William Howard Koppelman.—Civil Engr. Louisville, Ky.
David Israel Macht, M. D. 1906.—Physician, Balt.
Ogle Marbury.—Atty. at Law, Balt.
Charles Markell, Jr.—Atty. at Law, Balt.
Bartgis McGlone, Ph. D. 1907; Instr. Ill. Wesleyan, 1903-05. — Prof. Biol. St. John's, Annapolis.
Robert Emory Moore, M. D. 1906.—Interne, Kings Co. Hosp. Brooklyn.
Lyman Clements Murphy.
Charles Augustus Myers. — Fellow, English.
John Norris Myers, Jr.—Washington.
Marbury Bladen Ogle (F), Ph. D. 1907.—Asst. Prof. Latin, Univ. of Vt.
Aubrey Pearre, Jr. LL. B. Harvard 1905.—Atty. at Law, Balt.
Isaac Rosenbaum Pels, M. D. 1906.—Physician, Balt.
Thomas Coulson Pinkerton, S. B. Mass. Inst. Tech. 1905. — Chem. Engr.
Milton Williams Powell.
Benjamin Swayne Putts, M. D. 1906.—Res. Phys. Allegheny Gen. Hosp. Pa.
Charles Frederick Ranft.—Baltimore.
Walter Ford Reynolds.—Aid, U. S. Coast Survey, Wash.
Jacob Abner Sayler, Jr. LL. B. Harvard 1905.—Atty. at Law, Balt.
William Christian Schmeisser.—Baltimore.
Ralph Carlton Sharretts.—Atty. at Law, Balt.
Lloyd Parker Shippen.—Med. Student, Univ. of Pa.
Gibson Emerson Sisco.—Fort Wayne, Ind.
John Aydelotte Slemons. — New York.
Sidney Smith, LL. B. Harvard 1905.—Atty. at Law, Louisville, Ky.
Harvey Brinton Stone, M. D. 1906.—Adj. Prof. Surg. and Gynecol. Univ. of Va. Charlottesville.
Henry Philip Straus, Ph. D. 1905.—Mfg. Chemist, Balt.
Solomon Strouse, M. D. 1906.—Physician, Balt.
Samuel Wolman, M. D. 1906.—Phys. Balt.; Asst. Med.; Asst. Phys.
Peregrine Wroth, Jr. M. D. 1906.—Acting Res. Phys. Union Prot. Infirmary, Balt.

1903

John Armstrong Addison.—Sec. Student Y. M. C. A., N. Y.
Louis Adelsdorf.—Baltimore.
William Wetherall Ammen, S. B. Mass. Inst. Tech. 1905.—Asst. Examiner, U. S. Patent Office.
Harry Norman Baetjer, LL. B. Univ. of Md. 1905.—Atty. at Law, Balt.
Arthur Newsom Baldauf.—Henderson, Ky.
Edgar Sutro Bamberger. — Newark, N. J.
William Sellman Bird.—*Review of Reviews*, Chicago.
Frederick Conrad Blanck, Ph. D. 1907.—Research Asst. Biol. Chem. Harvard.
Solomon Blum, Ph. D. 1907.—Simmons Coll. Boston.
James Wallace Bryan.—Grad. Student.
Jenks Cameron.—Teacher, Colfax, Wash.
James Bayard Gregg Curtis, Jr. M. D. Homeopath. Med. Coll. N. Y. 1907.—Interne, Flower Hosp. N. Y.
Alphonse Raymond Vivian Doches, M. D. 1907.—Physician, Balt.
Theodore Wesley Glocker (F), Ph. D. 1907.—Asst. Polit. Econ.
John Alan Haughton.—Baltimore.
Franklin Hazlehurst, Jr. M. D. 1907.—Physician, Balt.
Moses Walton Hendry.—Class Instr. High School, Camden, N. J.
John Coffey Hildt, Ph. D. 1906.—Instr. Hist. Smith Coll. Northampton, Mass.
Eben Charles Hill, M. D. 1907.—Asst. Anat.
Richard Curzon Hoffman, Jr.—Baltimore.
Stuart Cator Hopper.—Baltimore.
Robert Sampson Lanier.—*Review of Reviews*, N. Y.
Charles Alexander Marshall.—Baltimore.
Rev. Benjamin Wilcher Meeks.
McHardy Mower.
William Urwick Murkland.—Cerro de Pasco, Peru.
John Marbury Nelson, Jr. — Forest Asst. U. S. Dept. of Agric.
Rev. Robert James Nicholson.
Robinson Cator Pagon.—Baltimore.
William Turner Parsons, M. D. 1907.—Physician, Oakland, Cal.
Eugene Leo Pessagno, M. D. 1907.—Interne, St. Joseph's Hosp. Balt.
Harry Ward Plaggemeyer, M. D. 1907.—Interne, Kings Co. Hosp. Brooklyn.
Charles Woodward Riley, M. D. 1907.—Interne, Woman's Hosp. N. Y.
Charles Albert Robinson, Jr. M. E. Cornell 1906.—N. Y. Telephone Co.
Edgar Poe Sandrock, M. D. 1907.—Asst. Res. St. Agnes Hosp. Balt.
Joseph Tate Smith, Jr. M. D. 1907.—House Officer.
Wilton Snowden, Jr.—Atty. at Law, Balt.
Philip Rayner Straus.
George Drayton Strayer, Columbia (Fellow 1904-05, Ph. D. 1905; Adj. Prof. Elem. Educ. Teachers Coll).
Charles Henry Stubenrauch, M. D. 1907. — Asst. Res. Phys. Church Home, Balt.
Harry King Tootle.—Baltimore.
George William Townsend. — Civil Engr. Cumberland, Md.

James de Lancey Ver Planck.—Fishkill, N. Y.
Harry Augustus Warner, S. B. Princeton 1904.—Student of Law, Balt.
Milton Charles Winternitz, M. D. 1907.—Fellow, Pathol.
Alexander Yearley, 3d. — Atty. at Law, Balt. (46)

1904

Sidney Herman Adler.—St. Mark's Hosp. N. Y.
Charles Robert Austrian.—Med. Student.
Jesse Lee Bennett.—Baltimore.
Joseph Robson Bromwell Branch.—Med. Student.
William Edmonston Crozier, Instr. Ala. Polytech. 1904-05.—Balt.
Philip Dettelbach.—Oil City, Pa.
John William Emig.—New York.
Sidney Charles Erlanger.—New York.
George Andrew Foster, LL. B. Univ. of Pa. 1907.—Atty. at Law, Johnstown, Pa.
Ralph Ottomar Fuerbringer. — Med. Student.
Alfred Logsdon Geiger.—Washington.
Josias Clerk Lee Hawkins.—Baltimore.
Harry H. Humrichhouse.—Baltimore.
William Muse Hunley.—Grad. Student.
Andrew Dickson Jones, Jr. — New York
Walter William Kohn.—Baltimore.
Wilbur Leslie LeCron.—Med Student.
Roy Stiles Licking.—New York.
Henry Loane Lloyd.—Atty. at Law, Balt.
Henry Charles Ernest Louis, M. E. Cornell 1906.—Elec. Engr. Pittsburg.
William Howard Matthai. — Baltimore.
John McGlone, M. E. Cornell 1906. —Fire Insur. Inspector, Boston.
Henry Clay Miller.—Baltimore.
Harry Edward Muhly.—Baltimore.
Clarence Alfred Neal. — Dept. of Agric., Washington.
Reginald Stevenson Opie. — Baltimore.
Frank Gibson Porter. — Med. Student.
Merrill Rosenfeld.—Atty. at Law, Baltimore.
Gerald Benjamin Rosenheim, LL. B. Columbia 1907.
Charles Henry Saylor (F), Ph. D. 1907.—Prof. Greek, Marshall Coll. Huntington, W. Va.
Samuel Hyman Schapiro.—Manila, P. I.
John Bushrod Schwatka. — Student of Law, Univ. of Md.
Frank Stollenwerck, Jr.—Law Student, Harvard.
Lyttleton Morgan Tough, Jr.—Fort Wayne, Ind.
Leonard Griffith Wallis. — Student, Univ. of Wis. Madison.
Newton Edward Washington Wayson. —Instr. Bacteriol. Northwestern Univ. Evanston, Ill.
Luther Martin Reynolds Willis. — Atty. at Law, Balt. (37)

1905

Walter Albert Baetjer. — Med. Student.
Byron Treat Banghart. — Engr. State Highway Comm. Springfield, Ill.
James Alvin Bass.—Med. Student.
Benjamin Abram Bernstein. — Instr. Math. Univ. of Cal. Berkeley.
William Graham Boyce.—Baltimore.
Riggin Buckler.
John Francis Cremen.—Grad. Student.
Walter David Elseman. — Atty. at Law, Balt.
Leman Edwin Goldman.—Law Student, Univ. of Md.
Rufus King Goodenow, Jr. — Baltimore.
Robertson Griswold.—Law Student, Univ. of Md.
*Hugh Asbury Hackett, Asst. Biol. Western Univ. of Pa. 1905-06.
**November* 17, 1906.
William Harkinson Hudgins. — Law Student, Univ. of Md.
Andrew Wilmer Hull.
John Long Jackson.—Student, Va. Theol. Sem. Alexandria.
Richard Newton Jackson. — Baltimore.
Irving Henry Kohn.—Baltimore.
Thomas Poole Maynard.—Grad. Student.
Jonathan Earle Mifflin. — Jacksonville, Fla.
Edward Leyburn Moreland. — Student, Mass. Inst. Tech.
Harmon Vail Morse.—Grad. Student.
Thomas Owings. — Student, Mass. Inst. Tech.
William Watters Pagon, S. B. Mass. Inst. Tech. 1907.
Sifford Pearre.—Baltimore.
Nathan Pumphrey Pitcher. — Baltimore.
Carl Samuel Stern.—Law Student, New York.
William Ringgold Straughn.—Instr. Normal Sch. Millersville, Pa.
Thomas Shenton Strobhar.—Phila.
John Morris Super.—Grad. Student.
Isaac Chandler Walker.—Med. Student.
Gustave Herman Woltereck. — Med. Student.
Lawrence Counselman Wroth. — Librarian, Md. Diocesan Libr. Balt.
Robert Bamford Zeigler.—Student, Drew Theol. Sem. Madison, N. J. (33)

1906

Carlyle Barton.—Student of Law, Univ. of Md.
David Simon Blondheim. — Univ. Scholar.

Allen Strafford Bowie.—Law Student, Univ. of Md.
Walter Stewart Brauns.—Baltimore.
Thomas Gorsuch Campbell. — Instr. St. James School, Md.
Thomas Rodney Chambers. — Med. Student.
Henry Theodore Collenberg. — Med. Student.
James Curlander.—Baltimore.
William Edwin Curley, Jr.—Balt.
Horace Hatch Curtis.—Washington.
William Alexander Dickey, Jr.—Baltimore.
Lewis Alan Dill. — Law Student, Univ. of Md.
Baruch Mordecai Edlavitch. — Med. Student.
Stanley Strauss Eiseman.—Student, Philadelphia.
Victor Max Frey.—Student, Mass. Inst. Tech.
Thomas Rasin Godey.—Birmingham, Ala.
Alvin Greif.—Baltimore.
James Fullerton Gressitt.—Missionary, Tokyo, Japan.
George Mitchell Griffith.—Law Student, Univ. of Md.
Edward Lyell Gunts.—Baltimore.
Frederick Home Hack, Jr.—Balt.
*Ormond Wilson Hammond, Jr. **January* 6, 1907.
Rev. Conrad Hardecker.—Clergyman, Balt.
Joseph Steuart Hill.—Baltimore.
William Ralph Jones, Instr. Botany, Balt. City Coll. 1906-07.
John Aubel Kratz.—Baltimore.
Thomas Gresham Machen.—Student, Mass. Inst. Tech.
John Mabry Mathews. — Univ. Scholar.
Thomas Wilbur Meads. — Law Student, Univ. of Md.
Carl Killmann Mengel.—Law Student, Univ. of Md.
Charles Ferdinand Meyer. — Grad. Student.
Edmond Harris Morse.—Grad. Student.
Firmadge King Nichols.—Med. Student.
Lewis Bayard Robinson, Jr.—Grad. Student.
Thomas DeCoursey Ruth. — Grad. Student.
Maurice Roland Schmidt. — Grad. Student.
William Herdman Schwatka. — Law Student, Univ. of Md.
*E. Leland Shackelford. **July* 2, 1907.
Joseph Theophilus Singewald, Jr.—Fellow in Geology.
William Leonard Sloussat.
Edward Hinman Sirich.—Grad. Student.
William Knepper Skilling. — Med. Student.
B. Holly Smith, Jr. — Dental Student, Balt.
William Conwell Smith.—Law Student, Univ. of Md.
Henry William Snyder.—Theol. Student, Gettysburg, Pa.
Johannes Karl Robert Konrad Uhlig. —Grad. Student.
Emanuel George Zies. — Univ. Scholar.
Paul Hudson Zinkham.—Asst. Librarian of Congress. (48)

1907

William Edwin Bird, Jr.—Med. Student.
Arthur Leonard Bloomfield. — Med. Student.
Oscar Ellis Bransky.—Grad. Student.
John Alden Crane.—Baltimore.
Carl Martin Distler.—Law Student, Univ. of Md.
Ernest Pohl Doetsch.—Grad. Student.
Daniel Ellison.
Milton Strauss Erlanger. — Baltimore.
Abiathar William Field.—Baltimore.
Albert Joseph Fleischmann. — Law Student, Columbia.
Henry Findlay French.—Law Student, Univ. of Md.
Hiram Fried.—Med. Student.
Rogers Harrison Galt, Jr. — Grad. Student.
Wallis Giffen.—Law Student, Univ. of Md.
William Rickert Glen.—Baltimore.
Clarence Pembroke Gould. — Grad. Student.
Albert Grauer.—Baltimore.
Weston O'Brien Harding.—Instr. St. John's Coll. Shanghai, China.
Henry Patterson Harris.—Baltimore.
Ernest Singleton Hendry. — Med. Student.
Edward Tremaine Hills.—Princ. St. Paul's Sch. Beaufort, N. C.
John Frederick Hunter.—Baltimore.
Warren Belknap Hunting. — Baltimore.
Henry Parr Hynson, Jr.—Law Student, Univ. of Md.
Iredell Waddell Iglehart.—Baltimore.
William Henry Jurney, Jr.—Student, Gen. Theol. Sem. N. Y.
Arthur Russell Knipp. — Student, Mass Inst. Tech.
Edmund Calvert Lynch.—Baltimore.
William Bose Marye.—Baltimore.
Thomas Addis Emmet Moseley.—Grad. Student.
Walter Emil Myers. — Mod. Lang. Master, Ridgefield Sch. Conn.
Arthur Rankin Padgett.—Baltimore.
Bernard Mark Pareihoff. — Grad. Student.
Le Grand Winfield Perce, Jr.—Law Student, Univ. of Md.
Charles Frederick Pietsch. — Baltimore.
William Pleet.
George Pitts Raleigh.—Law Student, Univ. of Md.
William Andrew August Reinhardt. —Mont Alto, Pa.
Leonel Fosque Revell. — Law Student, Univ. of Md.

Herman Frederick Rolker. — Asst. Chem. McMaster Univ. Toronto.
Karl Singewald.—Grad. Student.
Jordan Herbert Stabler.
George Adolph Stewart.—Med. Student.
Wilmer Theodore Stone.
David Eli Strouse.—Baltimore.
Joseph Todhunter Ware. — Student, Va. Theol. Sem. Alexandria.
Horace Winfield Webster. — Baltimore. (47)

1908

(*February* 22.)

Richard MacSherry.—Baltimore.
Stanley Meade Reynolds.—Baltimore. (969)

Proficient in Applied Electricity

When the institution is not named, this university is to be understood. (F) indicates that the person has held a fellowship here. *—Died.

1889

Cary Talcott Hutchinson (F), Ph. B. Wash. Univ. 1886; Ph. D. 1889, Acting Assoc. Prof. Elec. 1898-99.—Consulting Engr. N. Y.
Joseph Lee Jayne, U. S. Naval Acad. 1882.—Lieut. U. S. Navy; Bureau of Elec. Navy Dept. Wash.
Henry Hazlehurst Weigand, A. B. 1885.—Elec. Engr. Balt.
*Gilbert Wilkes, U. S. Naval Acad. 1881; Lecturer, Univ. of Wis. 1892-94. (4)

1890

William Julian Albert Bliss, A. B. Harvard 1888; Ph. D. 1894; Instr. Woman's Coll. Balt. 1894-95.—Coll. Prof. Physics.
James Shaler Hodges, A. B. 1886.—Elec. Engr. Balt. (2)

1891

Charles Griffin Edwards, S. B. St. John's 1889.—Asst. Engr. Elec. Commission, Balt. (1)

1892

*Ezra Carl Breithaupt. **January* 27, 1897.
William Hand Browne, Jr. A. B. 1890; Instr. Univ. of Neb. 1896-98; Asst. Prof. Univ. of Ill. 1898-1902.—Tech. Ed. *Electrical Review*, N. Y.
*Henry Wakefield Frye, A. B. Colby 1889. **June* 20, 1895.
George Henry Hutton, Jr.—Baltimore.
Robert Ernest Hutton.—Instr. Elec. Wash. and Lee, Lexington, Va.
Norman Crawford McPherson, A. B. Pa. Coll. 1889.—Hagerstown, Md.
Hugh Pattison.—Pa. Steel Co. Harrisburg.
Charles William Waidner (F), A. B. 1896, Ph. D. 1898, Asst. 1898-99; Instr. Williams 1899-1901.—Physicist, Bureau of Standards, Wash.
Arthur Judson Warner, A. B. Marietta 1899.—San Francisco, Cal. (9)

1893

Louis Minturn Aspinwall.—Elec. Engr. Wilkinsburg, Pa.
Shellman Baer Brown, A. B. 1891.—Civil Engr. Annapolis, Md.
Sidney Hand Browne, A. B. 1891.—Elec. Engr. Boston.
Eugene Russell Carichoff, A. M. Wash. and Lee 1885.—Sprague Elec. Co. N. Y.
Howard Waters Doughty (F), Ph. D. 1904; Asst. Univ. of Mo. 1904-06; Instr. Univ. of Wis. 1906-07.—Instr. Chem. Amherst.
Harold Mills Dyar, Ph. B. Marietta 1888.—Moultrieville, S. C.
Irenus Kittredge Hamilton, S. B. Trinity (Conn.) 1891.—Chicago, Ill.
William Winder Handy, S. B. Haverford 1891.—Elec. Engr. Balt.
Charles Roy McKay.—Sprague Elec. Co. N. Y.
William Robinson Molinard.
*Arthur Lacy Reese. **March* 12, 1894.
Arthur John Rowland.—Prof. Elec. Eng. Drexel Inst. Phila.
William Frederick Schulz, Univ. of Ill. (E. E. 1900, Instr. 1900-06).—Grad. Student, Physics.
Robert Isaac Todd.—Gen. Manager, Cincinnati Traction Co.
John Boswell Whitehead, Jr. A. B. 1898, Ph. D. 1902.—Assoc. Prof. Elec. (15)

1894

William Pierce Anderson, A. B. Harvard 1892.
John Woodside Corning.—Elec. Engr. Boston.
Lewis Warrington Cottman.—Baltimore.
Harvey Cavendish Darrell.—Baltimore.
Peter Conover Hains, Jr. U. S. Naval Acad. 1893.—U. S. Artillery, Ft. Riley, Kan.
Stephen Quentin Hayes, A. B. Georgetown (D. C.) 1892.—Westinghouse Co. Pittsburg.
Douglas Alexander Howard, U. S. Mil. Acad. 1878.—Captain (retired), U. S. A.
Andrew Ellicott Maccoun.—Electrician, Carnegie Steel Co. Pittsburg.
James Warren McCrosky, S. B. Univ. of Neb. 1891.—Electrician, Buenos Ayres.
Henry Hutchinson Norris, M. E. Cornell.—Prof. Elec. Eng. Cornell.
Charles Edward Phelps, Jr.—Chief Engr. Elec. Commission, Balt.
Alfred Magill Randolph, Jr. A. B. 1891.—Elec. Engr. Manchester, Eng.
Samuel Reber, U. S. Mil. Acad. 1886.—Colonel and Instr. Signal Service, U. S. A.
Franklin Roberts.—Elec. Engr. Balt.
Theodore Straus.—Baltimore.
John Saunders Taylor.—Atty. at Law, Norfolk, Va.
Frank McStocker Thomas.—Electrician, Philadelphia.
Wallace Durant White.—Baltimore.
James Watts Young.—Engineer, N. Y. (19)

1895

Harry Bissing, A. B. 1895.—Elec. Engr. N. Y.
Byron Briggs Brackett, A. B. Syracuse 1890; Ph. D. 1897; Instr. Union 1897-98; Wash. High School 1898-1900, Rutgers 1900-03.—Prof. Phys. and Elec. Clarkson School of Tech. Potsdam, N. Y.
Benjamin Harrison Branch.—Ellicott City, Md.
Edson Fessenden Gallaudet, Yale (A. B. 1893, Instr. 1896-1900); Ph. D. 1896.—Engr. Dayton, O.
George Henry Hill, A. B. Williamsport Dickinson Sem. 1891. — Gen. Elec. Co. Schenectady, N. Y.
Alexander McIver, Jr. A. B. Univ. of N. C. 1890. — Gen. Elec. Co. Schenectady.
Joseph Mullen, Jr. — Elec. Engr. Petersburg, Va.
Charles Reutlinger. — Elec. Engr. Balt.
John Jacob Rothermel, A. B. Franklin and Marshall 1893. — Instr. Phys. Wash. High School.
Frank Semple Wilcox, S. C. Mil. Acad. 1893. (10)

1896

Matthew Maury Corbin.—Gen. Elec. Co. Schenectady, N. Y.
Isador Deutsch.
Hugh Miller Frazer, S. B. Ky. State 1889.—Elec. Engr. Lexington, Ky.
James Holdsworth Gordon, Jr. — N. Y. Telephone Co.
Horace Marshall Harriman, Jr.—Chicago.
Malcolm Westcott Hill.—Elec. Contractor, Balt.
George Harwood Hodges. — N. Y. Telephone Co.
Jasper Alan McCaskell, S. B. Loyola 1895; E. M. Columbia 1900. — Chicago.
George Stevens Maynard, A. B. 1894. —Gen. Elec. Co. Schenectady.
Henry Todd Powell.—U. S. Revenue Cutter Service.
Charles Leonard Reeder. — Consulting Engr. Balt.
Martin Schwab. — Elec. Engr. Chicago.
James Mowton Saunders Waring.—Elec. Engr. Chicago. (13)

1897

Wyatt Hamilton Allen, Ph. B. Yale 1896.—Elec. Engr. N. Y.
*Joseph Hockman Bowman, A. B. Franklin and Marshall 1893. **January* 20, 1904.
Walter Herman Eisenbrandt.—Elec. Engr. Balt.
David Sterrett Pindell, A. B. 1895.—Elec. Engr. Sault Ste. Marie, Mich. (4)

1898

George Edward Bartell.—Baltimore.
William Burke Brady, M. E. Lehigh 1897.
*Edmund Frank, S. B. Rose Polytech. 1897. **July*, 1901.
William Schrofield Gorsuch, Jr. — Elec. Engr. Balt.
Richard Cameron Haldeman, A. B. Yale 1896. — Westinghouse Co. Pittsburg.
William Lemmon Hodges. — Elec. Engr. Phila.
Ferdinand Brauns Keidel. — Elec. Engr. Balt.
Bertram Motter Kershner. — Elec. Engr. St. Louis.
Charles J. Spencer. — Elec. Engr. Williamsburg, Pa. (9)

1899

James Robert Charlton Armstrong, A. B. 1899.—Elec. Engr. N. Y.
Robert Buchanan Beale, S. B. Md. Agric. 1896.—Gen. Elec. Co. Schenectady, N. Y.
Reinier Koller Beeuwkes. — Elec. Engr. N. Y.
William Trout Everett.
James William Swaine.—Elec. Elgr. Balt. (5)
(91)

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The publication of this journal was begun in 1889. Professor Paul Haupt, of the Johns Hopkins University, and Professor

Friedrich Delitzsch, of the University of Berlin, are the editors. Volume VI is in progress.

IX. Reprint of Economic Tracts

Professor J. H. Hollander, editor. First Series, 1903, $3; Second Series, $2; Third Series in progress, $2.

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These reports are edited by the Medical Faculty of the University, and published for the Johns Hopkins Hospital. Their publication was begun in 1890. Volume XV is in progress. Subscription $5 per volume (foreign postage, 50 cents). The set of fourteen volumes will be sold for eighty dollars.

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VIII. When C. O. D. packages are expected, previous arrangements should be made for their reception.

IX. Outlays made for individuals (express parcels, postage, telegraph messages, etc.) should be settled at once.

X. An annual allowance is made by the Trustees, in the budget, for such expenses as they approve, and in deciding on the items they are governed by a consideration of the general interests of the university, as well as by the needs of special branches of instruction. Balances to the debit or credit of any account are carried forward to the new account at the opening of each financial year (September 1). A statement of the amount of the balance and of any additional appropriation will be communicated to the parties severally interested, if requested, after the Trustees' meeting in October.

Scientific Societies

1. The Scientific Association, meeting monthly, under the presidency of Professor Ames.

2. The Philological Association, meeting monthly, under the presidency of Professor Gildersleeve.

3. The Historical and Political Science Association, meeting fortnightly.

4. Naturalists' Field Club, which makes weekly excursions during the spring and autumn and holds monthly meetings for the presentation and discussion of papers.

There are also companies which meet weekly in the laboratories for the reading of the scientific journals, and seminaries in several departments of study.

Historical Statement

The Johns Hopkins University was founded by the munificence of a citizen of Baltimore, Johns Hopkins, who bequeathed the most of his large estate for the establishment of a University and a Hospital.

1867, August 24.	Incorporation of the Johns Hopkins University.
1870, June 13.	Organization of the Board of Trustees.
1873, December 24.	Death of the Founder [born May 19, 1795].
1874, February 6.	First Business Meeting of the Trustees.
1874, December 30.	Election of a President of the University.
1876, February 22.	Inauguration of President Gilman.
1876, October 3.	Instruction of students began.
1886, April 26.	Celebration of the Tenth Anniversary.
1889, May 7.	Opening of the Johns Hopkins Hospital.
1893, October 1.	Opening of the Medical Department.
1894, October 1.	Opening of McCoy Hall.
1901, February 22.	Resignation of President Gilman.
1901, June 3.	Election of President Remsen.
1902, Feb. 21, 22.	Celebration of the Twenty-fifth Anniversary.
1902, February 22.	Inauguration of President Remsen.
1902, February 22.	Gift of a New Site for the University.
1902, July 1.	Gift of a Million-Dollar Endowment Fund.

STATEMENTS IN RESPECT TO THE COURSES OF INSTRUCTION

The Johns Hopkins University has had in view, from the beginning, two main objects,—the advancement of learning through investigations conducted by its teachers and its properly qualified students, and the communication of learning through carefully planned courses of instruction. The facilities which it provides and its methods of administration are intended both for the encouragement of research, in the case of those competent to undertake it, and for the discipline and guidance of those whose chief concern is the acquisition of knowledge.

The work of the University is carried forward

I. Under the Faculty of Philosophy.
II. Under the Faculty of Medicine.

The students enrolled under the Faculty of Philosophy are:

(1) Those who have obtained the baccalaureate degree from a college of good standing, and desire to follow advanced courses in scientific, literary, or historical subjects; and also persons who wish to take advantage of the opportunities for individual investigations here afforded. Women are admitted, with the consent of the professors under whom they wish to work, on the same terms as men.

(2) Undergraduate students, who are, in most cases, looking forward to the degree of Bachelor of Arts, but some of whom are engaged in special studies without reference to graduation.

The requirements for admission to the undergraduate courses, the arrangement of these courses in the several "Groups," etc., are stated on pages 222-231. More detailed information is given in "The Collegiate Instruction of the Johns Hopkins University," which may be obtained on application, personally or by letter, to the Registrar of the University.

The students enrolled under the Faculty of Medicine are:

(1) Candidates for the degree of Doctor of Medicine. These must be college graduates, or must give evidence by examination that they possess the attainments indicated by a baccalaureate degree in arts or sciences. Women are admitted on the same terms as men.

(2) Doctors of Medicine desiring to pursue certain special courses, which are annually announced.

The terms of admission to the Medical Department and the general plan of instruction are briefly stated on pages 244–248. Detailed information is given in the "Catalogue and Announcement," which will be sent upon application to the Registrar of the department.

I. FACULTY OF PHILOSOPHY

Advanced students are received whether they are candidates for a degree or not, and they are permitted to attend such lectures and exercises as they may select. On entering the university they are expected to present their diplomas and certificates from the institutions with which they have been connected, and also letters of introduction. They are not examined by the university for admission, but each instructor satisfies himself of the attainments of those who wish to follow his guidance, before admitting them to his classes.

The professors are ready to give personal counsel to those who seek it; books and instruments adapted to investigation and advanced work have been liberally provided; seminaries limited to a few advanced students have been organized in various subjects; societies devoted to philology, to mathematical, physical, and natural science, and to history and political science, afford opportunities for the presentation of memoirs and original communications, and there are also conferences for the reading and

discussion of philological, philosophical, biological, physical, geological, and chemical papers; during the year courses of lectures are given by resident and non-resident professors on topics to which they have given special attention; the libraries of the Peabody Institute and Maryland Historical Society, founded for the benefit of scholars, are easily accessible; the issuing, under the auspices of the Trustees, of publications devoted to mathematics, chemistry, philology, biology, the modern languages, and history, brings the university into advantageous connection with other foundations; and the university reading room, which is constantly open, is liberally supplied with new and standard books and with the literary and scientific journals of this and other lands.

Instruction is carried on in the different departments by methods which vary with the nature of the subject and the character and proficiency of the scholars; but in all alike the end is the same,—that, while the students are becoming familiar with the work prosecuted and the results attained elsewhere, and are adding to their general intellectual culture, they may be encouraged to become independent and original investigators in their chosen fields of labor. Within reasonable limits the university will provide such books, apparatus, and material as may be requisite for this purpose.

The principal subjects in which advanced instruction is now provided are these:

Mathematics.
Physics.
Chemistry.
Geology and Mineralogy
Zoology.
Botany,
Physiology.
Pathology.
Greek.
Latin.
Classical Archæology.
Sanskrit and Comparative Philology.
Semitic Languages.
Anglo-Saxon and English.
Romance Languages.
German.
Germanic Philology.
History.
Political Economy.
Political Science.
Philosophy, Psychology, and Education.

MATHEMATICS

The advanced courses are so arranged that a qualified student gets in three years the more important points of view of the whole subject. The courses are elastic in character, subjects being introduced as they are needed. In general, the plan pursued is to foster independent inquiry on the part of the student. Once embarked on investigation, he uses all the apparatus of lectures and library with intelligent purpose. The seminary, which meets weekly, is primarily intended for the presentation of the results of the student's own thinking. Literature either intrinsically important or opportune is presented and discussed in the reading class, which also meets weekly.

ADVANCED COURSES

1. Mathematical Seminary.
One hour weekly. Professor MORLEY.

2. Reading Class.
One hour weekly. Professor MORLEY.

3. Higher Geometry.
Two hours weekly, through the year. Professor MORLEY.

This is a general course in Geometry, covering in three years such matters as Projective Geometry, the Invariants of algebraic forms, Line Geometry, Conformal Geometry, Geometry on an algebraic curve or surface.

4. Theory of Functions.
Two hours weekly, second half-year. Professor MORLEY.

Algebraic Functions and their integrals; Elliptic, elliptic modular, and general automorphic functions; Theory of the potential.

5. Dynamics.
Two hours weekly, first half-year (every other year; given in 1908-09.) Professor MORLEY.

Special stress is laid on Rigid Dynamics.

discussion of philological, philosophical, biological, physical, geological, and chemical papers; during the year courses of lectures are given by resident and non-resident professors on topics to which they have given special attention; the libraries of the Peabody Institute and Maryland Historical Society, founded for the benefit of scholars, are easily accessible; the issuing, under the auspices of the Trustees, of publications devoted to mathematics, chemistry, philology, biology, the modern languages, and history, brings the university into advantageous connection with other foundations; and the university reading room, which is constantly open, is liberally supplied with new and standard books and with the literary and scientific journals of this and other lands.

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The principal subjects in which advanced instruction is now provided are these:

Mathematics.
Physics.
Chemistry.
Geology and Mineralogy
Zoology.
Botany,
Physiology.
Pathology.
Greek.
Latin.
Classical Archæology.
Sanskrit and Comparative Philology.
Semitic Languages.
Anglo-Saxon and English.
Romance Languages.
German.
Germanic Philology.
History.
Political Economy.
Political Science.
Philosophy, Psychology, and Education.

MATHEMATICS

The advanced courses are so arranged that a qualified student gets in three years the more important points of view of the whole subject. The courses are elastic in character, subjects being introduced as they are needed. In general, the plan pursued is to foster independent inquiry on the part of the student. Once embarked on investigation, he uses all the apparatus of lectures and library with intelligent purpose. The seminary, which meets weekly, is primarily intended for the presentation of the results of the student's own thinking. Literature either intrinsically important or opportune is presented and discussed in the reading class, which also meets weekly.

ADVANCED COURSES

1. Mathematical Seminary.
One hour weekly. Professor MORLEY.

2. Reading Class.
One hour weekly. Professor MORLEY.

3. Higher Geometry.
Two hours weekly, through the year. Professor MORLEY.

This is a general course in Geometry, covering in three years such matters as Projective Geometry, the Invariants of algebraic forms, Line Geometry, Conformal Geometry, Geometry on an algebraic curve or surface.

4. Theory of Functions.
Two hours weekly, second half-year. Professor MORLEY.

Algebraic Functions and their integrals; Elliptic, elliptic modular, and general automorphic functions; Theory of the potential.

5. Dynamics.
Two hours weekly, first half-year (every other year; given in 1908-09.) Professor MORLEY.

Special stress is laid on Rigid Dynamics.

6. Vector Analysis.

Two hours weekly, first half-year (every other year; not given in 1908-09). Professor MORLEY.

7. Elementary Theory of Functions.

Two hours weekly, through the year. Dr. COHEN.

An introduction to the theories of functions of a real and a complex variable.

8. Differential Equations.

Two hours weekly, through the year. Dr. COHEN.

Including, in three years, Ordinary Differential Equations, their integral curves and singular points; Partial Differential Equations; Lie's theory.

9. Differential Geometry.

Two hours weekly, through the year. Dr. COHEN.

Including a study of Curves in space; Surfaces and lines upon them; Spherical representation; Applicability of surfaces.

10. Calculus of Variations.

Two hours weekly, one half-year. Dr. COHEN.

11. Theory of Numbers.

Two hours weekly, one half-year. Dr. COHEN.

12. Theory of Groups.

Two hours weekly, one half-year. Dr. COBLE.

Including Theory of Equations, Finite Geometrics, Theory of algebraic forms.

13. Theory of Correspondence.

Two hours weekly, one half-year. Dr. COBLE.

Including such matters as Cremona Transformations, general birational transformations.

14. Theory of Probability.

Two hours weekly. Dr. COBLE.

Including the applications to statistics and the Theory of Errors.

UNDERGRADUATE COURSES

1. Solid Geometry; Algebra (special topics).
Three hours weekly, first half-year. Dr. COBLE.

Plane Analytic Geometry.
Three hours weekly, second half-year. Dr. COBLE.

Exercises.
Two hours weekly, through the year.

2. Differential and Integral Calculus.
Three hours weekly, through the year. Professor HULBURT.

Exercises.
Two hours weekly, through the year.

3. Differential and Integral Calculus (special topics); Determinants; Solid Analytic Geometry; Projective Geometry.
Three hours weekly, through the year. Professor HULBURT.

Exercises.
Two hours weekly, through the year.

4. Differential Equations.
Three hours weekly, first half-year. Dr. COHEN.

Vector Analysis.
Three hours weekly, second half-year. Dr. COHEN.

Exercises.
Two hours weekly, through the year.

5. Dynamics.
Three hours weekly, through the year. Professor HULBURT.

Exercises.
Two hours weekly, through the year.

In connection with the three hours' class-room instruction, the instructor in each course meets his students weekly in a two-hour session, for the purpose of supplementary explanation and application of the principles taught in the class-room. This is the part of each course designated as "Exercises." It is not intended that these shall increase the amount of work required of the student, but rather that they shall aid him in the understanding and preparation of the work of the class.

Physics and Astronomy

The Physical Laboratory offers facilities in the form of apparatus, libraries, and machine shops to students who wish to pursue experimental investigations in any field of Physics. If the results of these are to be offered as a dissertation for the degree of Doctor of Philosophy, the work must be done under the general direction of the Director of the Laboratory, or of one of the other professors. For students carrying on experimental researches the laboratory is open daily, except Saturdays, from 9 a. m. until 5 p. m., and on Saturdays from 9 a. m. until 1 p. m.

Regular courses of instruction in both Physics and Astronomy are given in the form of lectures and laboratory exercises. They may be classified as Advanced and Elementary. The former are designed primarily for graduate students; the latter, for undergraduates.

Advanced Courses

Seminary and Journal Meetings

All advanced students meet with the instructors twice each week,—once in the Physical Seminary, and once for the discussion of the current Physical Journals.

During the year 1908-09 the questions to be considered in the Seminary will refer to the history of the development of the present knowledge of Electricity.

Lectures

1. General Physics. Professor Ames.

Four hours weekly, through the year.

This is a course of lectures in Mathematical Physics continuing for three years and including the subjects of Theoretical Mechanics, Elasticity, Hydrodynamics, Sound, Thermodynamics, Heat Conduction, Electricity and Mag-

netism, and Light. During the year 1908-09 the lectures will be on Electricity and Magnetism.

2. Selected Problems in Advanced Physical Optics. Professor WOOD.
Three hours weekly, through the year.

3. Experimental Demonstrations in Electricity and Magnetism. Professor WOOD.
Two hours weekly, through the year.

4. Applied Electricity. Associate Professor WHITEHEAD.
Two hours weekly, through the year.

5. Applied Electricity (*Advanced Course*). Associate Professor WHITEHEAD.
Two hours weekly, through the year.

6. Celestial Mechanics. Dr. J. A. ANDERSON.
Two hours weekly, through the year.

7. Cosmical Physics. Dr. J. A. ANDERSON.
Two hours weekly, through the year.

8. General Astronomy. Mr. L. E. JEWELL.
One hour weekly, through the year.

Laboratory Courses

1. Special Exercises in Physics in preparation for independent research; under the direction of Professors AMES, WOOD, BLISS, and WHITEHEAD.

2. Applied Electricity. Associate Professor WHITEHEAD.

3. Use of Astronomical and Astrophysical Instruments. Dr. J. A. ANDERSON and Mr. L. E. JEWELL.

For students following these courses the laboratory is open daily except Saturdays, from 9 a. m. to 5 p. m.; and the observatory is open every favorable night.

ELEMENTARY COURSES

Lectures

1. The Elements of Physics. Professor AMES.
Three hours weekly, through the year.

These lectures are based upon Ames's "Text-book of General Physics," and are intended to include the field of

Physics in an elementary manner. They presuppose a knowledge of the elements of plane trigonometry. This course is known as Physics 1.

2. Physical Optics. Dr. A. H. PFUND.
Three hours weekly, first half-year.

This course forms part of Physics 2 and is an extension of Physics 1. Special attention is given the subject of the applications of diffraction and interference methods in the several branches of Physics. A special laboratory course, as stated below, is arranged to accompany these lectures.

3. Elementary Mechanics. Professor BLISS.
Three hours weekly, second half-year.

This course is designed to serve as an introduction to Mathematical Physics, and students following it must have a knowledge of the elements of the calculus. It forms part of Physics 2.

4. Elementary Thermodynamics and Electricity. Professor BLISS.
Three hours weekly, through the year.

This course is a continuation of the second part of Physics 2. The lectures in Thermodynamics will continue until about Christmas. In the second part of the course the elementary mathematical theory of Electricity is given and exact methods in electrical measurements are explained. Special laboratory exercises, as stated below, accompany this course, which is known as Physics 3.

Laboratory Work

Although in the statements describing the following courses the number of hours per week is specified, all students are permitted and encouraged to devote as much additional time as possible to these laboratory exercises.

1. Introductory Course. Professor BLISS and Assistants.
Six hours weekly, through the year.

In this the students are taught methods of exact observation and measurement, and, as far as possible, they

study the fundamental phenomena of Physics in a quantitative manner. The exercises given in Ames and Bliss's "Manual of Experiments in Physics" serve as a basis for this work; the course accompanies Lecture Course 1.

2. Physical Optics. Dr. A. H. Pfund.
Six hours weekly, first half-year.

A carefully prepared series of experiments are performed dealing with the phenomena of Physical Optics. The students are also instructed in the use of the plane and concave grating and of the interferometer. This course accompanies Lecture Course 2.

3. Mechanics. Professor Bliss.
Six hours weekly, second half-year.

In this course the students are taught methods of exact measurement of time, length, and weight, as well as the use of the best methods for the determination of the various mechanical and elastic constants. The course accompanies Lecture Course 3.

4. Heat and Electricity. Professor Bliss.
Six hours weekly, through the year.

In the first part of this course the students are given instruction in the measurement of temperature by various means—mercury thermometers, thermo-couples, platinum resistance thermometers—and by radiation methods; and also in the study of such heat-phenomena as vaporization, liquefaction of gases, etc.

In the second part of the course special attention is given to instruction in the modern methods of measurement of various electrical quantities, and in the use of the most improved apparatus. Those desiring such instruction may do work with dynamos, motors, and transformers.

CHEMISTRY

The Chemical Laboratory is equipped with apparatus for nearly all kinds of scientific chemical investigations, and it is the policy of the department to provide every needed facility for promising investigations of a special or unusual character.

The laboratory is open daily, except Saturdays, from 9 a. m. until 5 p. m., and on Saturdays from 9 a. m. until 1 p. m.

ADVANCED COURSES

I. *Journal Meetings*

These meetings are held at 9 a. m. on Saturdays, throughout the year, and are under the direction of Professor REMSEN. Toward the end of the year, those who have been engaged in research give an account of the progress of their investigations.

II. *Lectures*

(*a*) ORGANIC CHEMISTRY

The lectures in Organic Chemistry are given by Professor REMSEN, except those upon certain chapters of the subject, which are given by Associate Professor ACREE. The course consists of three lectures weekly and extends over two years.

(*b*) INORGANIC CHEMISTRY

The course on this subject is given by Professor MORSE. It consists of two lectures weekly and extends over three years.

(*c*) PHYSICAL CHEMISTRY

Three lectures weekly are given throughout the year by Professor JONES.

(*d*) SPECIAL TOPICS IN CHEMISTRY

Short courses of lectures upon special topics are given each year by Professor JONES and Associate Professor ACREE.

III. *Laboratory Courses*

(*a*) QUALITATIVE ANALYSIS

This course is under the direction of Professor RENOUF and is designed to meet the needs of those graduate students whose knowledge of the subject is defective.

(*b*) QUANTITATIVE CHEMISTRY

Under the direction of Professor MORSE.

(*c*) PHYSICAL CHEMICAL METHODS

The routine work in this branch usually occupies from four to six weeks and is under the direction of Professor JONES.

(*d*) ORGANIC PREPARATIONS

Under the direction of Associate Professor ACREE. The required work occupies from ten to twelve weeks.

The student who is a candidate for the degree of Doctor of Philosophy must give evidence that he has a satisfactory knowledge of elementary chemistry and is familiar with laboratory methods, before he is permitted to undertake the advanced courses. These consist of lectures and laboratory exercises in (*b*) quantitative chemistry, (*c*) physical-chemical methods, and (*d*) organic preparations. The order in which these are taken is not fixed, but is arranged with reference to the convenience of the student.

Having completed the routine work of the laboratory, the student is assigned by Professor MORSE to one of the staff who proposes to him a subject for investigation,

which may be made the basis of the Doctor's dissertation,* and who thenceforth directs his work in the laboratory. It sometimes happens that the student has sound reasons for preferring some particular line of research, and this course is allowed, if the circumstances permit.

For those who do not look forward to the degree, the rules are less rigid. Any person admitted to the University as a special student is permitted to take any of the laboratory or lecture courses for which he is qualified by previous training. The department also provides laboratory facilities for experienced chemists who wish to come to it for the purpose of carrying out researches of their own.

UNDERGRADUATE COURSES

1. Introduction to General Chemistry.

(*a*) *Lectures and recitations, three hours weekly, through the year.* Professor RENOUF.

(*b*) *Laboratory work, six hours weekly, through the year.* Professor RENOUF, Dr. GILPIN, and assistants.

No previous knowledge of chemistry is required. The class-room work is based on Remsen's Chemistry (Briefer Course), and covers the field of inorganic chemistry, as far as possible. The last twelve class-room exercises give a sketch of organic chemistry, particularly for the benefit of those students whose study of chemistry is confined to the minor course. In the laboratory the student repeats the experiments performed in the class-room, and, in addition, has some practice in simple quantitative analysis. Each student is required to keep a note-book of his work.

2. Advanced Inorganic Chemistry and Qualitative Analysis.

(*a*) *Lectures and recitations, three hours weekly, through the year.* Dr. GILPIN.

(*b*) *Laboratory work, six hours weekly, through the year.* Professor RENOUF, Dr. GILPIN, and assistants.

The class-room work in the second year is intended to give a more thorough knowledge of chemical and physical-chemical laws, of the properties of chemical compounds, and of the principles of qualitative analysis. The laboratory work is in qualitative analysis and inorganic preparations.

*The length of time required for the completion of the dissertation work cannot be definitely stated, but, as a rule, from one year to one and one-half years should be allowed for it in the plans of the candidate.

3. Chemistry of the Compounds of Carbon.

(*a*) *Lectures and recitations, three hours weekly, through the year.* Dr. GILPIN.

(*b*) *Laboratory work, six hours weekly, through the year.* Professor RENOUF, Dr. GILPIN, and assistants.

The class-room work of the third year is devoted to the study of Organic Chemistry. The laboratory work is the making of organic preparations, but also includes practice in the analytic detection of organic substances and in analytical methods of value to those intending to study medicine. The text-book used is Remsen's Organic Chemistry.

This course is open only to those who have completed Courses 1 and 2.

4. Laboratory Work only.

Laboratory work, six hours weekly, through the year. Professor RENOUF, Dr. GILPIN, and assistants.

The laboratory work comprises advanced qualitative analysis, including technical methods, difficult inorganic preparations, and assaying. Those contemplating graduate work in chemistry will devote half of the year to the study of Volhard and Zimmermann's "Experiments in General Chemistry"; others may substitute quantitative analysis.

Undergraduate students of the fifth or Chemical-Biological group, whose principal subject is chemistry, will be required to follow the courses in chemistry during the first, second, and third years. Those who look forward to the study of medicine are advised to follow the courses in chemistry in the first and second years and to take the course on the chemistry of the compounds of carbon in their last year of residence.

The fourth-year course is intended for those students only who have satisfactorily absolved the courses of the first three years. It will be helpful to those who intend to follow graduate work in chemistry, and also to those who desire to make a practical use of their knowledge of chemistry after receiving the bachelor's degree.

Geology

The Geological Laboratory offers facilities in the form of collections, instruments, and libraries to students wishing to pursue special researches in geology and its allied subjects—paleontology, petrography, mineralogy, etc. Such researches may be carried on independently, or with the co-operation of the members of the geological staff; but, if the student intends to become a candidate for a degree, the work must be conducted under the general direction of the head of the department or his associates.

The laboratory, collections, and libraries are open to the advanced students daily, from 9 a. m. until 5 p. m.

Regular courses of instruction in geology are given in the form of lectures, laboratory exercises, and field work. The advanced courses are adapted to the requirements of students of maturity, the general courses to students desiring an elementary or cultural training in the subject. The former are designed primarily for graduate students in geology, the latter for undergraduates or students from other departments wishing a more general knowledge of the subject.

ADVANCED COURSES

Seminary and Journal Meetings

The advanced students meet with the instructors once each week for the discussion of current publications dealing with geology. During the latter half of the year papers are presented giving the results of researches conducted in the laboratory, or summarizing the present state of knowledge regarding geological questions of general interest.

Lectures

1. Historical Geology. Professor Clark.
Two hours weekly, through the year.

2. Systematic Paleontology. Professor CLARK.
Two hours weekly, through the year.

3. Economic Geology. Professor CLARK.
Two hours weekly, through the year.

4. Geological Physics. Professor REID.
Two hours weekly, through the year.

5. Exploratory Surveying. Professor REID.
Two hours weekly, through the year.

6. Advanced Mineralogy. Professor MATHEWS.
Three hours weekly, through the year.

7. Petrography. Professor MATHEWS.
Three hours weekly, through the year.

8. Paleontology. Mr. E. W. BERRY.
Two hours weekly, first half-year.

Laboratory Courses

Laboratory studies in advanced courses are carried on daily from 9 a. m. until 5 p. m. under the general direction of the professors in charge who are accessible at all times. An afternoon is devoted especially to each course when the subject matter is more fully developed by quizzes, demonstrations, etc.

1. Paleontology. Professor CLARK and Mr. BERRY.
Weekly, through the year.

2. Petrography. Professor MATHEWS.
Weekly, through the year.

3. Advanced Mineralogy. Professor MATHEWS.
Weekly, through the year.

4. Geological Field Methods. Professor MATHEWS.
Weekly, during the fall and spring.

UNDERGRADUATE COURSES

1. Descriptive Mineralogy and Physiography.
Three hours a week, through the year, with laboratory work.
Associate Professor SWARTZ.

This course consists of two parts. Part I includes an elementary presentation of crystallography, followed by a discussion of the more important economic and rock-forming minerals. Emphasis is laid upon laboratory work, which includes the study of crystal models and minerals, together with the identification of minerals by means of the blowpipe. This part is open to students who have taken chemistry.

Part II includes a discussion of the important features of the surface of the earth, and the consideration of the forces by which they have been produced. It is illustrated by maps, charts, and lantern views. Illustrative material is studied in the laboratory. Frequent excursions are made to neighboring points of interest where the principles of the science are illustrated in the field. Part II may be pursued independently of Part I.

2. Physical and Historical Geology.

Three hours a week, through the year, with laboratory work.
Associate Professor SWARTZ.

This course comprises the study of seas, lakes, and the interior forces of the earth, including volcanoes, earthquakes, and mountain-making, together with a general discussion of historical geology. The laboratory work includes the study of the common rocks and an examination of the forms of life of the chief geological periods collected by the student. Excursions are made in the fall and spring to points of interest for geological study. This course is illustrated by charts, maps, lantern views, and the abundant collections possessed by the University. A knowledge of Geology 1 is desirable, though not necessary, for the pursuit of this course.

3. Applied Geology.

Three hours a week, through the year, with laboratory work.
Professor MATHEWS.

This course is devoted to a discussion of the non-metallic minerals and rocks which are worked commercially. The knowledge of geology and mineralogy gained in the preceding courses is applied to the recognition of useful minerals, their mode of occurrence, properties, values, and uses. The main sources of coal, oil, clay, building-stones, abrasives, gems, etc., the way they are won, and their economic importance, are treated with more or less detail. The aim of the course is to supply such information regarding natural resources as an educated man should possess. The treatment of the technical questions of metallurgy or mining must be sought in technical schools.

State Scientific Bureaus connected with the Department.—Two scientific bureaus, established by the legislature and maintained at the expense of the State, are carried on in connection with the geological department. They are the Maryland Geological and Economic Survey and the Maryland State Weather Service. Professor Clark is the director of both these organizations, which are concerned with a study of the geology and physical features of the State of Maryland. The work is carried on under his direction mainly by the instructors and students

of the department. A State Forestry Bureau, of which Professor Clark is Executive Officer, has also been recently established.

Advantages afforded by Proximity to Washington.—Washington is less than an hour distant from Baltimore. This renders it possible to take frequent advantage of the facilities afforded by that city, where the officers of the various scientific bureaus and societies give the students of the university every opportunity to examine the rich collections and libraries under their control.

Field Work.—The area of the State of Maryland includes, notwithstanding its comparatively small size, a remarkable sequence of geological formations. The ancient rocks of the earth's crust, as well as those still in the process of deposition, are found, while between these wide limits there is hardly a geological epoch which is not represented. As a result most excellent facilities are afforded for a study of the various geological horizons. Excursions to points of interest are made during the autumn and spring months.

Zoology and Botany

The Biological Laboratory furnishes adequate rooms, with the usual microscopes, microtomes, aquaria, incubators, photomicrographic and electrical apparatus, for carrying on research in animal and plant morphology, embryology, and experimental zoology. For special investigations unusual apparatus will be obtained. It is expected that the ample grounds at "Homewood" will furnish facilities for experiments in breeding, and at present some space for aquaria, etc., is provided there. A collection of living plants in the botanical garden and conservatory, a physiological laboratory in the latter, and propagating grounds near by are available for experi-

A collection of carefully "fixed" and pr
material of several hundred species o
available for histological and developmenta
the laboratory include the Sand
of European seed plants, the Tre
local plants the Fitzgerald collection
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also to study collateral literature. If deficient in preliminary training, he will be required to take some of the introductory work designated "undergraduate courses." Subsequently he selects, or is assigned, some topic that may yield problems to be studied and presented as a thesis or dissertation, when he has arrived at sufficient maturity in point of view. Work done in the laboratory is supplemented by work in the field and at the sea shore.

Journal Club.—All the graduate students take part with the instructors in a weekly discussion of the current literature.

Seminary.—Professor BROOKS will meet the advanced students for discussion of some of the fundamental problems of zoology.

Seminary in Experimental Zoology.—Professor JENNINGS. *Weekly from the beginning of the session until the spring recess.*

The work consists of the reading and discussion, by the members of the seminary, of some recent important book, or of the work of some investigator that has deeply affected zoology.

Theoretical Zoology.—Professor BROOKS. *Two lectures a week, from October 1 to May 1.*

Experimental Zoology.—Professor JENNINGS. *Three lectures a week, from the beginning of the session until February 1.*

During the year 1908-09 the work will be on the problems of individual and racial development,—the processes of reproduction, regeneration, growth, old age, variation, heredity, and evolution.

It is expected that a series of lectures will be given, by investigators at work in the university or elsewhere, on the results and methods of researches on particular problems in Experimental Zoology. The following can be announced at present:

Professor W. E. KELLICOTT, of the Woman's College of Baltimore, on correlation and variation.

mental work. A collection of carefully "fixed" and preserved alcoholic material of several hundred species of plants is available for histological and developmental study. The herbaria of the laboratory include the Schimper collection of European seed plants, the Field Club collection of local plants, the Fitzgerald collection of mosses, and smaller collections of fungi, marine algae, and Jamaican plants.

The library in the laboratory is adequately supplemented by the main library of the university and other libraries in the city, including the excellent botanical library of John Donnell Smith, whose courtesy has always made his library and herbarium available for advanced students.

Prompt publication of abstracts of results is provided for in the University Circulars. From time to time the results of extensive investigations in zoology are published by the University Press in a series of illustrated quarto monographs, edited by Professor Brooks. The Adam T. Bruce Fellowship is awarded to men capable of carrying on research in zoology. One of the graduate students in zoology may be appointed each year to occupy the University table at the marine laboratory of the U. S. Fisheries Bureau, at Woods Holl, Mass.

The laboratories are open from 9 a. m. to 5 p. m., and for necessary research in the evenings, but only by special permission.

ADVANCED COURSES

I. *Zoology*

Laboratory work in general zoology, morphology, and embryology is directed by Professor Brooks, assisted by Associate Professor Andrews. The work in experimental zoology is directed by Professor Jennings. In the first year, the student is required to verify the results of certain zoological memoirs selected to illustrate scientific principles and the application of technical methods; and

also to study collateral literature. If deficient in preliminary training, he will be required to take some of the introductory work designated "undergraduate courses." Subsequently he selects, or is assigned, some topic that may yield problems to be studied and presented as a thesis or dissertation, when he has arrived at sufficient maturity in point of view. Work done in the laboratory is supplemented by work in the field and at the sea shore.

Journal Club.—All the graduate students take part with the instructors in a weekly discussion of the current literature.

Seminary.—Professor BROOKS will meet the advanced students for discussion of some of the fundamental problems of zoology.

Seminary in Experimental Zoology.—Professor JENNINGS. *Weekly from the beginning of the session until the spring recess.*

The work consists of the reading and discussion, by the members of the seminary, of some recent important book, or of the work of some investigator that has deeply affected zoology.

Theoretical Zoology.—Professor BROOKS. *Two lectures a week, from October* 1 *to May* 1.

Experimental Zoology.—Professor JENNINGS. *Three lectures a week, from the beginning of the session until February* 1.

During the year 1908-09 the work will be on the problems of individual and racial development,—the processes of reproduction, regeneration, growth, old age, variation, heredity, and evolution.

It is expected that a series of lectures will be given, by investigators at work in the university or elsewhere, on the results and methods of researches on particular problems in Experimental Zoology. The following can be announced at present:

Professor W. E. KELLICOTT, of the Woman's College of Baltimore, on correlation and variation.

Dr. S. O. MAST, on the results of researches on the reactions of lower organisms to light, and on the problems of orientation.

Mr. J. FRANK DANIEL, on acclimatization and immunity in the lower organisms, with particular reference to the action of alcohol.

II. *Botany*

1. Journal Club and Seminary.

a. The Journal Club meets weekly through the year, in conjunction with the Zoological Journal Club.

b. The Botanical Seminary meets twice weekly, from December 1 to June 1. The seminary work of the year 1907-08 was devoted to a survey of recent work on plant breeding and to a study of the families of monocotyledons.

2. Lectures and Laboratory Work. Professor JOHNSON.

I. The Reproduction and Phylogeny of Plants.

a. *Three lectures weekly through the year.*

b. *Laboratory work associated with the lectures, twice weekly through the year.*

c. *Definite problems in field work assigned for study in the autumn and spring.*

II. The Histology and Physiology of Plants.

a. *Two lectures weekly from January* 1 *to June* 1

b. *Laboratory work twice weekly from January* 1 *to June* 1.

III. The History of Botany.

Two lectures weekly from October 1 *to December* 20.

The following themes will be discussed in successive years: The Theory of Sex in Plants, The Cell Theory, Growth and Movement in Plants.

UNDERGRADUATE COURSES

The collegiate courses in Zoology and Botany are known as Biology 1, Biology 2, Biology 3, and the Natural History Course.

Biology 1.

Six hours of laboratory work and three lectures or other exercises weekly, through the year. Associate Professor ANDREWS, Dr. COWLES, and assistants.

This introductory course is open to all students and may be taken without previous training in chemistry or physics. It may be taken profitably by students interested in political economy, history, psychology, or ethics; it will be found useful to those looking forward to the ministry; and it is required of all who are to enter the medical school.

a. General Biology. *Till March* 15.

In the laboratory each student studies with the microscope, or dissects, selected animals and plants from the more simple such as amoeba and yeast to the more complex such as the fern and frog. In the lectures some of the fundamental facts of Biology are emphasized.

b. Embryology. *After March* 15.

Each student studies the cleavage of the living frog's egg and the formation and transformation of the tadpole. Subsequently he studies the hen's eggs and the formation of organs in the embryo chick, learning to make his own serial sections, etc.

Biology 2.

Six hours of laboratory work and three lectures or other exercises weekly, through the year. Professor BROOKS and Dr. COWLES.

This course continues the training of Biology 1 in limited fields and is recommended to those who expect to study medicine or to specialize in any department of Biology.

a. Comparative Anatomy of Vertebrates. *Till March* 15.

The student dissects the skate, shark, codfish, nectrus, turtle, alligator, pigeon, and dog. The lectures emphasize the principles of animal morphology.

b. Bacteriology. *After March* 15.

The student learns the methods of handling, cultivating, and studying non-pathogenic bacteria. The practical work gives valuable training in careful laboratory methods. The lectures treat of bacteria from a biological point of view, as very important agents in natural processes.

Biology 3.

Six hours of laboratory work and three lectures or other exercises, weekly through the year.

a. Experimental Zoology.

First half-year. Professor JENNINGS.

This work presupposes training equivalent to Biology 1 and 2, and is designed for those having some special interest in Biology. The lectures will deal in 1908-1909 with the processes of individual and racial development,—reproduction, regeneration, variation, heredity and evolution. In the laboratory the student makes experiments and observations on such matters as the digestive processes of lower animals, on the effects of chemical and physical agents on animals, and the like. In suitable cases individual students will take up definite small problems. The laboratory work varies in different years, to correspond with the lectures.

b. Botany.

Second half-year. Professor JOHNSON.

The Structure and Function of Root, Stem, Leaf, Flower, and Fruit.

Three lectures weekly, laboratory work two afternoons a week, from February 1 to the end of the session.

This is a course for beginners, giving a general survey of the nature and activities of plants, the out-door work serving to give students some familiarity with native plants in the field. This course constitutes half of Biology 3, or it may be made a full course by those desiring it for general culture or as a preparation for further work in botany or in forestry.

Natural History.

Nine hours weekly, from February 1 to the end of the session. Associate Professors ANDREWS and GRAVE, with assistants.

This elementary course in Zoology and Botany is intended for those having no training in these subjects, and is chiefly a laboratory course. It is required of students in groups I, II, III.

Physiology

Facilities are offered in the Physiological Laboratory for special students, graduates in medicine and others, who are interested in special lines of investigation, and also for those who wish to follow courses leading to the degree of Doctor of Philosophy in Physiology or allied subjects.

Regular courses of instruction are given as follows:

1. Advanced lectures. Professor Howell.
   Irregular intervals, through the year.
2. Journal Club. Professor Howell.
   Weekly, through the year.
3. Seminary. Professor Howell.
   Weekly, through the year.
4. Physiology of the Animal Body. Professor Howell, Associate Professor Dawson, and Assistants.
   Lectures, three hours weekly, through the year; laboratory, six hours weekly, first half-year.
   [The laboratory course is repeated in the second half-year.]
5. Advanced Laboratory Work. Professor Howell and Associate Professor Dawson.
   This work is done individually.

Greek

The graduate instruction in Greek is directed by Professor Gildersleeve, in connection with the Greek Seminary, the plan of which is based on the continuous study of some leading author or some special department of literature.

The Seminary consists of the Director, Fellows, and Scholars, and such advanced students as have satisfied the Director of their fitness for an active participation in the work by an essay, a critical exercise, or some similar test

of attainments and capacity. All graduate students, however, may have the privilege of attending the Seminary exercises. Each regular member is required to take his turn in the work of the Seminary, and special fields of research are assigned according to progress or bent.

The cycle which has been followed for a number of years is made up of the Attic Orators, Plato, Aristophanes, and the Greek Historians. For example

1904-05. Attic Orators.	1906-07. Aristophanes.
1905-06. Plato.	1907-08. Greek Historiography.

The methods followed have been described in successive annual reports, which may readily be consulted.

During the next academic year the study of the Attic Orators will constitute the chief occupation of the members. There will be two meetings a week during the entire session. Especial attention will be paid to the development of language and style and to the antique canons of æsthetic criticism. The rhetorical works of Dionysios of Halikarnassos will be studied in connection with this course.

The student should possess the text of the orators (Teubner ed.), and the rhetorical works of Dionysios of Halikarnassos, edited by Usener and Radermacher. Blass's *Geschichte der Attischen Beredsamkeit* is an important auxiliary, Volkmann's *Rhetorik* will be found serviceable, and Jebb's *Selections from the Attic Orators* may be recommended as an introduction to the study. The various editions of select speeches of Demosthenes by Sandys are also helpful, and Rehdantz's *Indices* (Teubner) hold much valuable matter.

ADVANCED AND GRADUATE COURSES

1. Professor Gildersleeve will also conduct a course of Practical Exercises in Greek, consisting chiefly in translation at dictation from Greek into English and English into Greek, two meetings a week, from the beginning of the session to the first of January.

2. He will hold conferences on the Nemean and Isthmian Odes of Pindar, once a week after January 1.

3. He will also lecture on select chapters of Greek Syntax in its relation to style.

4. Associate Professor Miller will conduct readings auxiliary to the main study of the graduate students in Greek, twice a week throughout the session.

Notice of other courses is reserved.

UNDERGRADUATE COURSES

1. Xenophon, *Memorabilia* (selections).
Plato, *Apology.*
Herodotus (selections).
Three hours weekly, first year. Associate Professor MILLER.
Prose Composition.
One hour weekly, first year. Associate Professor MILLER.
Private Reading: Plato, *Crito;* Homer, *Odyssey* (two books).

2. Lysias (select orations).
Isocrates (selections).
Euripides (one play).
Prose Composition.
Three hours weekly, second year. Associate Professor SPIEKER.
Private Reading: Xenophon, *Hellenica* (book 1); Euripides, *Cyclops.*

3. Plato, *Phaedo.*
Lyric Poets.
Sophocles (one play).
Survey of Greek Literature.
Prose Composition.
Three hours weekly, third year. Associate Professor SPIEKER.
Private Reading: Elegiac and Iambic Poets; Aeschylus (one play).

4. Thucydides (book VII).
Lucian (selections).
Aristophanes, *Frogs.*
Two hours weekly, fourth year. Associate Professor SPIEKER.

Greek Life: Lectures and Conferences.
One hour weekly, fourth year. Dr. ROBINSON.
Private Reading: Demosthenes (select orations); Aristophanes, *Clouds.*

5. Aeschylus, Sophocles, Euripides (one play each).
Three hours weekly, through the year. Associate Professor SPIEKER.

LATIN

The most important organ of training is the Latin Seminary which meets twice a week throughout the year. It consists of the director, fellows, scholars, and such advanced students as shall give the director satisfactory proof of their ability and training. Any graduate student is at liberty to attend the Seminary exercises, but each regular member is required to take his turn in the work. Each year some author or group of authors in a given department of literature is made the centre of study. The subjects treated during the last three years are as follows:

1905-1906. The Roman Epic, especially Vergil.
1906-1907. The Roman Drama, especially Plautus and Terence.
1907-1908. The Roman Satire, especially Horace and Juvenal.

In addition to the regular work of the Seminary, courses of lectures are given every year by the director and from time to time by other qualified persons. A Journal Club, consisting of the instructors and graduate students in Greek, Latin, and Classical Archæology, meets once a week to report and discuss recent publications and topics of general interest in the field of Classical Philology.

During the academic year of 1908-1909 the attention of the Seminary will be given to the Roman Historians, and the centre of this work will be Livy and Tacitus.

The student will do well to provide himself in advance with complete texts of Livy, Tacitus, Sallust, Caesar, Suetonius, Ammianus Marcellinus, and the Scriptores Historiae Augustae (all published by Teubner or in the Bibliotheca Oxoniensis). H. Peter's Historicorum Romanorum Fragmenta (editio minor, Teubner) should also be procured and Volkman's Rhetorik will be found very serviceable.

ADVANCED AND GRADUATE COURSES

1. Throughout the year Professor Smith will lecture once a week on the Roman Historians exclusive of Livy and Tacitus.

2. He will also hold a conference once a week during the first half-year on Roman Rhetoric.

3. During the second half-year he will lecture once a week on the rhetorical element in the Roman historians.

4. Professor Mustard will lecture once a week throughout the year on the history and development of Pastoral Poetry as a department of literature.

5. The advanced students will meet once a week throughout the year for the rapid reading of the Roman historians.

UNDERGRADUATE COURSES

1. Livy (selections); Vergil, *Fourth Georgic.*
Three hours weekly, first half-year. Professor MUSTARD.
Catullus (selections); Juvenal (selections).
Three hours weekly, second half-year. Professor MUSTARD.
Private Reading: Cæsar, *Bellum Civile* (book I); Vergil, *Aeneid* (selections); Cicero, *Cato Maior.*
Prose Composition.
Weekly, through the year. Professor MUSTARD.

2. Plautus (one play); Tacitus, *Annals* (selections).
Three hours weekly, first half-year. Professor MUSTARD.
Horace (selections).
Three hours weekly, second half-year. Professor MUSTARD.

Private Reading: Terence (one play); Cicero, *Letters* (selections).

Prose Composition: exercises from time to time.

3. Lucretius (selections); Vergil, *Georgics*, I-II.

Two hours weekly, first half-year. Professor MUSTARD.

Tibullus, Propertius, and Ovid (selections); Martial (selections).

Two hours weekly, second half-year. Professor MUSTARD.

Roman Literature (with reading of selected passages).

Weekly, through the year. Professor SMITH.

Private Reading: Cicero, *First Tusculan;* Pliny, *Letters*, book VI.

Prose Composition: essays and exercises from time to time.

4. Petronius, *Cena Trimalchionis;* Apuleius, *Metamorphoses* (selections).

Two hours weekly, first half-year. Professor WILSON.

Seneca, *Medea;* Valerius Flaccus (selections).

Two hours weekly, second half-year. Professor WILSON.

Private Reading: Fragments of Early Latin; Suetonius, *Augustus*; Quintilian (book X).

Roman Life: lectures and conferences.

Weekly, through the year. Professor WILSON.

Prose Composition: essays from time to time.

5. Ovid, *Metamorphoses:* readings and conferences; Cicero, *De Oratore*, book I: study of the principles of Roman Rhetoric and Literary Criticism.

Three hours weekly, through the year. Professor SMITH.

Courses 2, 3, and 4 may be taken only by those who have pursued the courses preceding them. Course 5 may be taken concurrently with course 4.

Roman Literature (course 3) and Roman Life (course 4), each one hour weekly, are open to all students and taken together are counted as half a course, and with the course in Greek Life (Greek 4) count as a full course.

Classical Archaeology and Art

The work in Classical Archæology and Art is carried on by means of a seminary and the courses which are named below. The archæological material in the possession of the university includes good collections of Greek and Roman inscriptions, marbles, bronzes, vases and other terra cottas, coins, gems, etc., which not only serve the purpose of illustration, but also form the basis of original investigation. These are supplemented by squeezes, photographs, and lantern slides, as well as by the casts belonging to the university and to the Peabody Institute.

SEMINARY AND ADVANCED COURSES

The subjects treated in the seminary or presented in lectures vary from year to year, so that in three or four years of continuous residence students are brought into contact with the principal fields of archæological research. These subjects include Greek and Roman architecture, sculpture, coins, gems, bronzes, and terra cottas, Mycenæan civilization, Greek vase painting, and Latin Palæography. The following courses are offered in the year 1908-09:

1. Archæological Seminary. Selected topics in Latin and Greek Epigraphy. Professor Wilson and Dr. Robinson.

Two hours weekly, through the year.

2. The Topography and Monuments of Rome, with especial reference to the *Forum Romanum* and the imperial *Fora*. Professor Wilson.

Weekly, through the year.

3. An introduction to Latin Epigraphy, with practical exercises in the interpretation of inscriptions from original stones. Professor Wilson.

Weekly, through the year.

4. Pausanias and the Topography of Athens. Dr. ROBINSON.

Weekly, through the year.

5. Greek Alphabets, with practical exercises in the interpretation of the Epichoric inscriptions. Dr. ROBINSON.

Weekly, through the year.

6. Classical Journal Club, in which the current literature of the subject is reported and discussed. Professors SMITH and WILSON, Associate Professor MILLER, and Dr. ROBINSON.

Weekly, through the year.

UNDERGRADUATE COURSES

1. Outlines of Classical Archæology; lectures and conferences. Professor WILSON and Dr. ROBINSON.

Three hours weekly, through the year.

This course is intended to furnish a rapid survey of the principal fields of Greek, Etruscan and Roman archæology and art. Knowledge of Latin and Greek is not required.

2. The Private Life of the Romans. Professor WILSON.

Weekly, through the year.

3. The Private Life of the Greeks. Dr. ROBINSON.

Weekly, through the year.

Courses 2 and 3 are parts of Latin 4 and Greek 4, respectively, but may be pursued by any student of the University. Taken together they count as half a course, and with the course in Roman Literature (Latin 3) as a full course.

SANSKRIT AND COMPARATIVE PHILOLOGY

Courses of instruction, directed by Professor Bloomfield, with the assistance of the Fellow or the Scholar in Sanskrit, are provided in the Indo-Iranian languages (Vedic and Classical Sanskrit, Pāli and Prākrit, Avestan and Old Persian), in Comparative Grammar of the Indo-European languages, in historical Ethnology of the Indo-European peoples, and in general Linguistic Science.

During recent sessions courses in the Lithuanian language and literature were given; these also will continue to form a regular feature of the work of the university.

These courses aim to meet the wants of those who wish to devote themselves to the study of these branches exclusively and for their own sake, *i. e.*, those who wish to become specialists in Sanskrit Philology or Comparative Philology; and also the wants of students of languages in general, who wish to obtain a broader linguistic basis for special studies in other departments of philology.

The advanced work aims especially to meet the wants of those who wish to make Indian Philology or Comparative Philology their special study. This work centres in the Sanskrit Seminary and not infrequently involves the use of Sanskrit manuscripts.

A prolonged course in Sanskrit, involving two lectures a week during two years and attendance in the Sanskrit Seminary for a half-year (one hour a week), is planned, so as to furnish a good knowledge of Classical Sanskrit and to include an introduction into the dialect of the Vedas. This amount of work represents material sufficient for the first subsidiary subject for the degree of Doctor of Philosophy. A course in the same study for one and a half years, involving two hours a week, is the amount required for a second subsidiary subject leading to the same degree.

A synopsis of the courses offered during past years may be presented under the following heads:

I. Courses in the general principles of comparative philology, or linguistic science, and on special chapters thereof; lectures on ethnology and the history of religions.

II. Courses in the general comparative grammar of the Indo-European languages; comparative grammar of Sanskrit and Avestan; comparative study of Indo-European accentuation; comparative study of Greek, Latin, Sanskrit, and Teutonic, including vocalism, consonantism, noun-formation, and inflections.

III. The Vedic, Sanskrit, and Prākrit dialects; Rig-Veda; Atharva-Veda; literature of the Brāhmanas and Upaniṣads. The law books of Manu and Yājñavalkya; the Drama Çakuntalā and

introduction into Prākrit; Hitopadeça, Kathāsaritsāgara, and Nala. Sanskrit grammar and prose composition.

IV. The Pāli language and Buddhist literature.

V. The Avestan language and the sacred books of the Avesta.

VI. The Lithuanian language and literature.

The following courses, in charge of Professor Bloomfield, may be stated under three heads:

A. *Linguistic Science and Comparative Grammar of the Indo-European Languages.*

1. The elements of Linguistic Science, with an account of the Ethnology and Religions of the Indo-European peoples. *Weekly, through the year.*

2. Comparative grammar of the more familiar Indo-European languages (Greek, Latin, German, and Sanskrit): The phonetics and history of the consonants. *Weekly, through the year.*

B. *Indo-Aryan Philology.*

3. Vedic Seminary: The literature of the Brāhmanas and the Upaniṣads. *Weekly, through the year.*

4. The elements of Vedic philology: Vedic grammar, metres, and interpretation of selected hymns of the Rig-Veda. *Weekly, second half-year.*

5. Beginner's course in Sanskrit: grammar (Whitney's Sanskrit Grammar) and interpretation of an easy text (Lanman's Reader). *Twice weekly, through the year.*

6. Selections from the Hitopadeça and the Law-Book of Manu (second year's course in Classical Sanskrit). *Twice weekly, first half-year.*

C. *Other Indo-European Languages.*

7. Introduction to the Lithuanian Language and Literature. *Weekly, through the year.*

NOTE—No knowledge of Sanskrit is presupposed for courses 1, 2, 5 and 7. Course 1 sketches briefly the history of the Science

of Language; presents a systematic account of the ethnology and religions of the Indo-European peoples; deals with the principles that govern the life and growth of language, and finally treats of the origin of language. Course 2 is intended as an elementary introduction into the methods and results of the Comparative Grammar of the more important Indo-European languages.

Oriental Seminary

The various courses are adapted to the requirements of four classes of students, namely: (*a*) students of theology wishing to obtain a thorough acquaintance with the sacred tongue and its sister idioms as a means of elucidating Scripture and problems of the comparative history of religion; (*b*) students of linguistics intending to make comparative grammar of the Semitic languages their specialty; (*c*) students of Oriental history and archæology desirous of drawing directly from the original sources; (*d*) persons looking for instruction in the living Oriental languages (as modern Arabic, Turkish, Persian, Amharic, Malay, Tagalog, etc.) for practical purposes.

A room has been set apart containing a well-equipped working library for all the branches of Oriental research (including the library of the late Professor A. Dillmann, of Berlin, the Leopold Strouse Semitic Library, a special collection of works on the dialects of the Philippine Islands, etc.), and some advanced students are usually present to help in the preparation for the recitations conducted by the Director of the Seminary, and to furnish any other aid that may be desired. Near the Dillmann Library, on the same floor, are some archæological and antiquarian collections, including the Cohen Collection of Egyptian Antiquities, the Sonneborn Collection of Jewish Ceremonial Objects, collections of Hebrew and other Oriental manuscripts, Babylonian seal-cylinders and clay tablets, etc.

The following courses are offered for the academic year, 1908-09:

Oriental History and Archaeology

1. History of the Ancient East (Egypt, Babylonia, Assyria, Persia, Israel, and Judah). Professor JOHNSTON. *Wednesday,* 11 *a. m.*

2. The Bible and the Ancient Monuments. Professor JOHNSTON. *Wednesday,* 12 *m.*

3. Jewish Ceremonial Institutions and Customs. Dr. ROSENAU. *Wednesday,* 5 *p. m.*

Biblical Philology

4. Elementary Hebrew. Professor HAUPT and Dr. EMBER. *Wednesday,* 3-5 *p. m.*

5. Hebrew: Second Year's Course (The Book of Nehemiah). Dr. BLAKE. *Friday,* 3 *p. m.*

6. Hebrew Syntax (Use of the Tenses, etc.). Dr. BLAKE. *Friday,* 4 *p. m.*

7. Unpointed Hebrew Texts. Dr. ROSENAU. *Monday,* 2 *p. m.*

8. Prose Composition (Hebrew, Arabic, Assyrian, and Sumerian). Professor HAUPT. *Monday,* 5 *p. m.*

9. Comparative Semitic Grammar. Professor HAUPT. *Monday,* 3 *p. m.*

10. Old Testament Seminary (Critical Interpretation of the Psalter). Professor HAUPT. *Tuesday,* 4-6 *p. m.*

11. Cursory Reading of the Bible. Dr. EMBER. *Tuesday,* 11 *a. m.*

12. Post-Biblical Hebrew. (Selections from the Mishnah and the Talmud; Rabbinical Commentaries on the Bible). Dr. ROSENAU. *Tuesday,* 9-11 *a. m.*

13. Medieval Hebrew Poetry. Dr. EMBER. *Friday,* 2 *p. m.*

14. Jewish Philosophers of the Middle Ages. Dr. ROSENAU. *Friday,* 9 *a. m.*

15. Modern Hebrew. Dr. EMBER. *Friday,* 3 *p. m.*

16. Hebrew Conversation. Dr. EMBER. *Wednesday,* 2 p. m.

Syriac

17. Elementary Syriac (Roediger's Chrestomathy). Dr. BLAKE. *Thursday,* 5 *p. m.*

Arabic

18. Elementary Arabic. Dr. BLAKE. *Thursday,* 4 *p. m.*

19. Interpretation of Selected Suras of the Koran. Professor JOHNSTON. *Thursday,* 10 *a. m.*

20. Arabic Prose Composition. Professor HAUPT. [See No. 8.]

Ethiopic

21. Ethiopic: Second Year's Course (Dillmann's Chrestomathy). Dr. BLAKE. *Wednesday,* 4 *p. m.*

Assyriology

22. Assyrian: Second Year's Course (Selected Historical Texts). Professor JOHNSTON. *Thursday,* 11 *a. m.*

23. Assyrian: Advanced Course (Interpretation of the Babylonian Nimrod Epic). Professor HAUPT. *Monday,* 4 *p. m.*

24. Assyrian and Sumerian Prose Composition. Professor HAUPT. [See No. 8.]

Egyptology

25. Egyptian Archæology. Professor JOHNSTON. *Friday,* 12 *m.*

26. Selected Hieroglyphic Texts. Professor JOHNSTON. *Friday,* 10 *a. m.*

27. Hieratic Papyri. Professor JOHNSTON. *Friday,* 11 *a. m.*

Malayo-Polynesian Philology

28. Malay. Dr. BLAKE. *Monday,* 4 *p. m.*

29. Elementary Tagalog. Dr. BLAKE. *Monday,* 5 *p. m.*

Journal Meeting

30. Journal Meeting. Professor HAUPT. *Tuesday,* 3 *p. m.*

ENGLISH

GRADUATE COURSES

In the graduate courses the subject of English is studied with reference to the historical and technical aspects of linguistic and literary science. The usual sequence of courses enables a student, in three or four years, to study with precision the important departments of grammar and of literature, and to become trained in the processes of original investigation. Instruction is imparted by lectures, by freer conferences, by the methods of the Seminary, and by class-room recitation. A Journal Club is conducted for the purpose of supplementing the regular courses with reports of the current work of scholars.

1. *English Seminary,*

Graduate students are admitted to the Seminary as soon as they have satisfied initial requirements for independent research.

In the academic year 1908-09, the Seminary will be engaged in the study and investigation of the following subjects:

(*a*) The Works of Chaucer. *First half-year.*

(*b*) The Poetry of Byron and Shelley. *Second half-year.* The Seminary will be conducted by Professor BRIGHT. *Tuesday and Thursday,* 3-5 *p. m.*

2. Lectures on Historical Grammar, Versification, and Literary Criticism. Professor BRIGHT. *Monday,* 11 *a. m.*

3. Interpretation of selected texts. Professor BRIGHT. *Tuesday and Thursday,* 12 *m.*

4. The Journal Club of the English Seminary. Professor BRIGHT. *Alternate Fridays,* 3-5 *p. m.*

5. Lectures on the English Poetry of the Seventeenth Century. Professor BROWNE. *Monday,* 12 *m.*

6. Lectures on the English Poetry of the Eighteenth Century. Professor BROWNE. *Wednesday,* 12 *m.*

7. Professor FELIX E. SCHELLING, of the University of Pennsylvania, will give a course of lectures on the Works of Shakespeare. *January and February.*

UNDERGRADUATE COURSES

Introductory courses in (*a*) Rhetoric and English Composition, (*b*) Platform Speaking and Forensics, and (*c*) English Literature, are prescribed for all undergraduate students. For those who may wish to continue their study in any of these departments, elective courses are provided in the various forms of discourse and in the more important periods of English and American literature. Further practice in debating is provided in connection with the elective course in exposition and argument, and in the annual inter-class and inter-collegiate debates.

English Composition

1. Rhetoric and English Composition.

Theory, based upon text-books, lectures, and discussions; critical study of prose writers; frequent practice in writing. This course is prescribed during the first year.

Three hours weekly, through the year. DR. FRENCH and DR. LICKLIDER.

1*a*. English Composition.

This course is prescribed during the second year. Students who have attained a mark of "8" on the work of the first year are excused from this course.

One hour a week, through the year. DR. LICKLIDER.

2. Description and Narration.

Readings in standard prose. Practice in writing.

Two hours weekly, through the year. Professor GREENE.

3. Exposition and Argument.

During the first term, the theory of exposition, with frequent practice in expository writing. During the second and third terms, the theory of argument; practice in writing; platform speaking and debate.

Two hours weekly, through the year. Dr. FRENCH.

Public Speaking

1. Reading and Platform Speaking.

In this course attention is paid to correct habits of breathing and to enunciation and expression. The course is prescribed during the second year.

One hour a week, through the year. Dr. FRENCH.

2. Public Speaking.

The principles of argumentation; practice in argumentative writing and in debate; parliamentary procedure. This course is prescribed during the third year.

One hour a week, through the year. Dr. FRENCH.

Note. Additional practice in platform speaking and in debate is provided in English Composition 3. A more specific statement respecting these courses is made on a subsequent page.

English Literature

1. English Literature: introductory course.

The class will become acquainted with the course of English Literature from the seventh century until about 1600. Much of the poetry of Chaucer, Spenser, and Shakespeare will be read in the class-room and in private reading. This course is prescribed during the second year.

Three hours weekly, through the year. Professor GREENE.

2. English Literature, 1600-1744.

First half-year: English Literature from 1600 to 1660; special attention will be given to the English Bible and to the works of Bacon and Milton.

Second half-year: From the Restoration to the death of Pope (1660-1744); the study will be directed chiefly to the writings of Dryden, Addison, Steele, Swift, and Pope.

Three hours weekly, through the year. Professor GREENE.

3. English Literature, 1798-1892.

First half-year: English Literature from the publication of the *Lyrical Ballads* to the death of Coleridge (1798-1834); the study will be directed chiefly to the writings of Wordsworth, Coleridge, Keats, Shelley, Byron, and Scott.

Second half-year: Tennyson and Browning; novelists and essayists since 1832.

Three hours weekly, through the year. Professor GREENE.

4. American Literature.

Literary history in outline; critical study of selected authors; written reports on assigned reading.

Two hours weekly, through the year. Dr. FRENCH.

5. English Literature. (Third Year of Group II).

First half-year: The Caroline and "classical" periods of English Literature, 1625 to 1770.

Second half-year: The period of the romantic reaction in English Literature, 1770 to recent times.

Three hours weekly, through the year. Professor BROWNE.

6. English. (Fourth Year of Group II).

First half-year: Anglo-Saxon.

Second half-year: Middle English and Early Scottish Poets.

Three hours weekly, through the year. Dr. LICKLIDER and Professor BROWNE.

GERMAN

Under this head are included German Language and Literature, and subjects in the wider field of Germanic Philology. Regular instruction, through seminary and lectures, is given in German Literature and in Gothic, Comparative German Grammar, Old High German, and Middle High German; while occasional courses are offered in Old Norse, Old Saxon, and Old Frisian.

ADVANCED COURSES

Seminary

The library of the German Seminary, to which all advanced students have the fullest access, is open, Mondays to Fridays, from 9 a. m. to 5 p. m., and Saturdays from 9 a. m. to 1 p. m. The Seminary treats, in successive half-years, some theme from the period of German Classicism or Romanticism, and a subject from the literature of Middle High German. During the year 1908-09 the Seminary

will meet three times weekly. The subject for the first half-year will be the period in German Classical Literature from Goethe's Italian Journey to the death of Schiller, and for the second half-year the poems of Walther von der Vogelweide. The Seminary will be conducted by Professor WOOD.

Students are requested to procure: Lachmann, *Gedichte Walthers*, 5. Ausg., Berlin, 1875; Wilmanns, *Gedichte Walthers von der Vogelweide*, 2. Ausgabe (Germanistische Handbibliothek I), Halle, 1873.

Germanic Society

The Germanic Society, which includes as members all the instructors and advanced students in German, meets fortnightly. Before it are presented not only reports on articles in current journals, but also successive results of studies by the members. The chief object of the Society is to foster and guide the aptitude for more sustained individual investigation than the collective work of the Seminary offers scope for.

Lectures

1. Gothic and the Elements of Comparative German Grammar. Professor COLLITZ.

Two hours weekly, through the year.

Students are requested to procure Braune's *Gotische Grammatik* (6. Auflage, Halle, 1905).

2. Old High German. Professor COLLITZ.

Two hours weekly, second half-year.

Students should procure Braune's *Abriss der althochdeutschen Grammatik* (4. Auflage, Halle, 1906) and the same author's *Althochdeutsches Lesebuch* (6. Auflage, Halle, 1907).

3. Old Saxon. Professor COLLITZ.

Weekly, second half-year.

Students should be provided with Holthausen's *Altsächsisches Elementarbuch* (Heidelberg, 1899).

4. Old Frisian. Professor COLLITZ.

Weekly, first half-year.

Heuser's *Altfriesisches Lesebuch mit Grammatik und Glossar* (Heidelberg, 1903) should be in the hands of the students. The chief object of the course will be to point out on the one hand the close relation between Old Frisian and Anglo-Saxon, and on

the other hand the bearing of Old Frisian upon the language of the Heliand.

5. Middle High German: Introductory Course. Professor COLLITZ.

Two hours weekly, first half-year.

The elements of Middle High German grammar will be studied, and selections read from Bachmann's *Mittelhochdeutsches Lesebuch* (3. Auflage, Zürich, 1904), Paul's *Mittelhochdeutsche Grammatik* (6. Auflage, Halle, 1904) is recommended.

6. German Literature in the Seventeenth Century. Professor WOOD.

Two hours weekly, first half-year.

The literary reform in the first quarter of the Century will be discussed, and particular attention will be paid to the old and new metrical canons, and to questions in Poetics. Selected poems of Weckherlin and Opitz will be read. As the best representative work of the period in prose, Grimmelshausen's *Simplicissimus* will then be studied.

7. The German Romantic School. Professor WOOD.

Two hours weekly, first half-year.

The beginnings of Romanticism in German Literature will be studied in works of Tieck, Friedrich and August Wilhelm Schlegel and Novalis. The relation of the German classicists (Goethe) to the new literary movement will then be considered, and this will be followed by the reading of representative works of the Romantic School.

8. Gerhart Hauptmann and the Contemporary German Drama. Professor WOOD.

Two hours weekly, second half-year.

Special Courses.

1. Scientific German. Dr. KURRELMEYER.

Two hours weekly, through the year.

2. Historical German. Dr. ROULSTON.

Two hours weekly, through the year.

3. German Conversation. Mr. HOFMANN.

Weekly, through the year.

NOTE.—Classes 1 and 2 are for graduates who lack the ability to read German at sight.

UNDERGRADUATE COURSES

German Elements.

Vos, *Essentials of German;* Gerstäcker, *Germelshausen;* Keller, *Kleider machen Leute;* Wilhelmi, *Einer muss*

heiraten; von Wildenbruch, *Das edle Blut;* Prose Composition; Grammar.

Four hours weekly, through the year. Dr. KURRELMEYER.

This course is intended only for students who have matriculated in Greek. For such students, it absolves the requirements in German; other students must absolve course 1.

1. Prose Reading: Baumbach, von Ebner-Eschenbach, Fulda, Keller, Sudermann.

Three hours weekly, through the year. Dr. ROULSTON.

In case of necessity this class will meet in two sections.

Prose Composition.

Weekly, through the year. Professor WOOD.

Private Reading.

2. Classical Authors: Schiller, *Maria Stuart, Die Jungfrau von Orleans;* Goethe, *Hermann und Dorothea.*

Two hours weekly, through the year. Dr. ROULSTON.

Prose Composition.

Weekly, through the year. Dr. ROULSTON.

Private Reading.

3. Goethe, *Faust, Tasso, Iphigenie.*

Two hours weekly, through the year. Professor WOOD.

History of Literature: Classical Period. Lyrics and Ballads.

Weekly, through the year. Dr. ROULSTON.

The work in Goethe and in the History of Literature, etc., may be taken separately.

4. Contemporary Literature, in rapid readings.

Three hours weekly, through the year. Professor WOOD and Dr. KURRELMEYER.

5. Historical Readings.

Freytag, *Doktor Luther;* von Sybel, *Die Erhebung Europas.*

Two hours weekly, through the year. Dr. ROULSTON.

6. Scientific German.

Lassar-Cohn, *Die Chemie im täglichen Leben;* von Helmholtz, *Ueber Goethe's naturwissenschaftliche Arbeiten;* Walther, *Allgemeine Meereskunde.*

Two hours weekly, through the year. Dr. KURRELMEYER.

This course is open to students who have completed Course 1.

7. German Conversation.

Weekly, through the year. Mr. HOFMANN.

Romance Languages

The department of Romance Languages offers facilities for work in manuscript sources and palæography, in literature (old and modern), in language (phonetics, morphology, history, syntax, dialects), and in Popular Latin. For students who desire the degree of Doctor of Philosophy, three years are usually required (in the principal subject), under the direction of the various professors in the department. The work is confined almost entirely to the three principal Romance languages (French, Spanish, and Italian), in the literatures and languages of which special attention is paid to the origins.

Instruction is given in lectures and regular class exercises, the former being supplemented by subjects for special investigation assigned to the student. For each of the languages noted above, a seminary meeting is held once a week. In French the seminary for the old literature alternates with that for the modern literature. A meeting of the Romance Club is also held weekly, when original papers are read and reviews of recent journals presented. The subjects for work during the academic year 1908-09 are as follows:

ADVANCED COURSES

French

(*a*) Seminary: Old French Literature (Marie de France; Work on Manuscripts).
Professor Elliott. *Two hours fortnightly.*

(*b*) Seminary: Modern French Literature (A Study of French Prose beginning with the Renaissance).
Associate Professor Ogden. *Two hours fortnightly.*

(*c*) The Development of the French Novel, especially in the Nineteenth Century.
Associate Professor Ogden. *Weekly.*

(*d*) Modern Schools of French Poetry and their Representatives: Parnassian, Symbolistic, Philosophic.
Associate Professor OGDEN. *Weekly.*

(*e*) Provençal.
Associate Professor OGDEN. *Weekly.*

(*f*) Medieval French Lyric Poetry.
Professor F. M. WARREN. *November and December.*

(*g*) Latin Secular Lyric in the Eleventh Century.
Professor F. M. WARREN. *November and December.*

(*h*) French Classics.
Dr. BRUSH. *Monthly.*

(*i*) Marie de France: Bisclavret.
Professor ELLIOTT. *Two hours fortnightly.*

(*j*) Readings in Old-French Literature: *Class A* (Lyric and Romans d' Aventure).
Associate Professor ARMSTRONG. *Weekly.*

(*k*) French Syntax: The Verb.
Associate Professor ARMSTRONG. *Two hours weekly.*

(*l*) French Phonology and Morphology.
Associate Professor ARMSTRONG. *Three hours weekly.*

(*m*) Readings in Old-French Literature: *Class B.*
Associate Professor ARMSTRONG. *Weekly.*

(*n*) French Phonetics.
Associate Professor ARMSTRONG. *Weekly.*

(*o*) French Dialects.
Professor ELLIOTT. *Weekly.*

(*p*) French Palæography.
Dr. KEIDEL. *Weekly.*

(*q*) History of Mediæval Fable Literature.
Dr. KEIDEL. *Weekly, first half-year.*

(*r*) Mediæval Sources.
Dr. KEIDEL. *Weekly, second half-year.*

Spanish

(*s*) Spanish Seminary: Lope de Rueda.
Professor MARDEN. *Two hours weekly.*

(*t*) Spanish Literature of the twelfth and thirteenth centuries.
Professor MARDEN. *Weekly.*

(*u*) **Readings in Old-Spanish Literature.**
Professor MARDEN. *Weekly.*

(*v*) **Spanish Historical Grammar.**
Professor MARDEN. *Two hours weekly.*

Italian

(*w*) **Dante and the Divine Comedy.**
Professor ELLIOTT. *Weekly.*

(*x*) **Italian Seminary: The Prose Literature of the Thirteenth Century.**
Dr. SHAW. *Two hours weekly.*

(*y*) **Phonology and Morphology.**
Dr. SHAW. *Two hours weekly.*

(*z*) **The Contemporary Novel.**
Dr. SHAW. *One hour weekly.*

(*aa*) **Methodology of the Romance Languages.**
Dr. KEIDEL. *Weekly.*

(*bb*) **Popular Latin.**
Professor ELLIOTT. *Weekly.*

(*cc*) **Romance Club.**
Weekly.

The ALLIANCE FRANÇAISE, GROUPE DE BALTIMORE, will offer a course of twenty-five lectures on *French Life under the Third Republic.* These lectures will be delivered at the University by a graduate of the École Normale Supérieure and will be given in French.

UNDERGRADUATE COURSES

French.

French Elements.

a. The Essentials of Grammar. Fraser and Squair, *French Grammar, Part I.*

b. Easy French Texts. Verne, *Les Enfants du Capitaine Grant;* Labiche, *La Grammaire;* About, *La Mère de la Marquise;* Pailleron, *l'Etincelle;* Augier, *Le Gendre de M. Poirier.*

Four hours weekly, through the year.

This course is intended only for students who have matriculated in Greek, and have fully met *at entrance* the matriculation requirements; for such students, it absolves the requirements in French for the baccalaureate degree. Other students must take French 1.

French 1 (*Intermediate Course*).

a. Modern French Prose Writers: Dumas, Daudet, Coppée, Maupassant, Mérimée, Labiche and Martin, Augier, Theuriet, Balzac. Classics: Corneille, *Le Cid;* Molière, *Les Précieuses ridicules, l'Avare.*

b. Grammar and Composition based on a French Text. Exercises in pronunciation and dictation.

c. Private Reading: Fortier, *Histoire de France;* Lamartine, *Scènes de la Révolution française;* Lafontaine, *Fables.*

Four hours weekly, through the year. Associate Professor OGDEN and Dr. BRUSH.

French 2 (*Advanced Course*).

a. The classic period: Corneille, Racine, Molière, Lafontaine, Pascal, Bossuet, La Rochefoucauld, La Bruyère. The nineteenth century: Hugo, Lamartine, Gautier, Musset, Balzac, Dumas fils, Zola, Daudet, Taine.

b. Prose composition; dictation.

c. Lectures on French literature and on French life.

d. Private reading.

Three hours weekly, through the year. Dr. BRUSH.

French 3.

The Development of the Novel in the Nineteenth Century.

a. Readings from Chateaubriand, Hugo, Balzac, George Sand, Flaubert, Zola, Edmond and Jules de Goncourt, Bourget, Loti, France.

b. Written reports on the authors read.

Two hours weekly, through the year. Dr. BRUSH.

French 4.

The Eighteenth Century.

a. Readings in Voltaire, Rousseau, Montesquieu, Marivaux, Nivelle de la Chaussée, Diderot, Beaumarchais, Lesage.

b. Written reports on the authors read and on the life of the period.

Two hours weekly, through the year. Dr. BRUSH.

French 5.

Advanced Composition.

Weekly, through the year. Associate Professor ARMSTRONG.

Note.—French 5 may be taken with either French 3 or French 4 to form a whole course. French 3 and French 4 may not be taken in the same year.

Spanish.

1. Hills and Ford, *Spanish Grammar;* Prose Composition; Isla, *Gil Blas;* Alarcón, *El Capitán Veneno;* Peréz Galdós, *Doña Perfecta.*

Three hours weekly, through the year. Professor MARDEN.

This course is adapted to beginners.

2. Lope de Vega, *La Estrella de Sevilla;* Alarcón, *La verdad sospechosa;* Calderon, *La vida es sueño;* Cervantes, *Don Quixote.*

Grammar and Prose Composition. History of Spanish Literature.

Three hours weekly, through the year. Professor MARDEN.

This course is open to students who have completed Course 1 or its equivalent.

Italian.

1. Grandgent, *Italian Grammar;* Goldoni, *La Locandiera;* Orsi, *L'Italia Moderna;* Rovetta, *Romanticismo.*

Three hours weekly, through the year. Dr. SHAW.

2. Grandgent, *Italian Grammar;* Selections from Carducci, Manzoni, Ariosto, Boccaccio, Petrarch, Dante.

Three hours weekly, through the year. Dr. SHAW.

History

Facilities for research are offered in the principal fields of history. Special attention is given to methods of investigation and each advanced student comes under the personal direction of the instructors in his chosen field. This supervision is obtained through seminary meetings and frequent private consultation.

In addition to the library of the university, students make use of the admirable collections of source material in the Peabody Library and the Maryland Historical Society, and are in constant touch with the great resources of the Library of Congress and the departments in Washington.

GRADUATE COURSES

European History. The courses in European history direct attention to the social, economic, and constitutional development of European peoples. The subjects follow in consecutive order, the topics for each year forming a complete and independent group. The series requires three years for completion and offers opportunity for close study of selected portions of the mediæval and early modern history of the Continent. Every third year a course on non-American contemporary history is given, particularly since 1871, for the purpose of arousing interest in the historical aspects of recent events and of showing some of the characteristics of modern political, social, and economic life in other countries than America. A weekly seminary is held for the study of problems in European history and institutions.

Courses in Latin palæography and in French palæography are given in their respective departments.

English History. The course in English constitutional history extends over a period of three years, tracing the origin and growth of the English constitution from earli-

est times to the present century. The treatment allows for the consideration of closely allied institutional and economic aspects of the subject. A separate course on the historical development of English common and statute law is also given. A weekly seminary is held for the study of texts and the examination of problems raised in the lectures. Special attention is paid to collections of documentary material.

American History. The courses in American history begin with the history of British colonization in America and deal with the constitutional and economic growth of the colonies, and the constitutional and political history of the United States after 1783. A weekly seminary is held for research in special subjects in American history.

Ancient History. The constitutional history of Greece and Rome is supplemented by lectures on the Roman Law. Certain portions of Oriental History are treated in the departments of Semitics and Sanskrit.

Historiographical Studies. Every second and third year courses are given in English and American historiography.

Special Lectures. The Albert Shaw Lectures on Diplomatic History are given annually by investigators in selected fields of American and foreign relations. The scope of the lectures is not confined to the United States, but lectures on European diplomatic history will also find their due place.

The James Schouler Lectures on History and Political Science are given annually by lecturers of promise or prominence upon topics indicated in the title of the lectureship. These lectures are open to the public as well as to the students and members of the University.

Professor Edward L. Stevenson, of Rutgers College, will give a short course on the Geography of the Fifteenth and Sixteenth Centuries.

Other lectures of interest to the students of this department, either open to the public or designed for class instruction, are given from time to time by distinguished scholars outside the University. These lectures are in part provided for from the income of the fund left by the late Professor Herbert B. Adams.

Historical and Political Science Association. This monthly meeting of the instructors and students of the departments of History, Political Economy, and Political Science affords an opportunity to hear addresses from prominent specialists, to consider important movements and undertakings, and to present critical reviews of recent publications in the fields of history, political economy, and political science.

For the year 1908-09 the courses will be as follows:

Professor VINCENT.

1. Europe. Period of the Renaissance.
   Two hours weekly, first half-year.
2. Europe. The Ancient Regime.
   Two hours weekly, second half-year.
3. Seminary in European History.
   Two hours, alternate weeks.

Professor ANDREWS.

1. Constitutional History of England, 1400-1688.
   Two hours weekly, through the year.
2. American Colonial History, to 1765.
   One hour weekly, through the year.
3. Seminary in English History.
   Two hours, alternate weeks.

Associate Professor BALLAGH.

1. History of the United States, 1765-1789.
   Two hours weekly, through the year.
2. Seminary in American History.
   Two hours, alternate weeks.

Dr. STEINER.

History of English Law.
One hour weekly, through the year.

Mr. MAGOFFIN.

1. Constitutional History of Rome.
   One hour weekly, through the year.
2. The Elements of Roman Law.
   One hour weekly, through the year.

UNDERGRADUATE COURSES

1. History of Greece and Rome.

The political and constitutional history of Greece and Rome, approached through the translated texts of Herodotus, Thucydides, Suetonius, Tacitus, and others, with the aid of modern authorities.

Three hours weekly, through the year. Mr. MAGOFFIN.

2. European History (General History).

From the decline of the Roman Empire to the nineteenth century, dealing with the Romano-Barbarian kingdoms, the empire of Charles the Great, feudalism, the crusades, empire and papacy, renaissance, the Protestant revolutions, the religious wars, eighteenth century states and the doctrine of the balance of power, the French Revolution, the Napoleonic period, and the reorganization of Europe in the nineteenth century.

Three hours weekly, through the year. Professor C. M. ANDREWS.

3. English History.

Chiefly constitutional and political, dealing with the origins and development of parliamentary institutions, the relations of England with continental Europe, and the expansion of the British Empire. Open to students who have had or are taking History 2 or Political Economy 1.

Three hours weekly, through the year. Professor VINCENT.

4. American History.

Colonial history and institutions, the formation of the Union, the development of constitutional government and law, the growth of foreign policy, the expansion of the nation. Emphasis will be laid on the national period. Open to students who have had History 2 and 3 or Political Economy 1.

Three hours weekly, through the year. Associate Professor BALLAGH.

Political Economy

GRADUATE COURSES

The graduate instruction in Political Economy is designed primarily to meet the needs of advanced students preparing for a professional career in economic science. The courses afford systematic instruction in general economic principles, intimate acquaintance with special fields of economic activity, and, most important of all, knowledge of and ability to employ sound methods of economic research. The work centres in the Economic Seminary, the membership of which is limited to the most advanced students, and the primary design of which is to develop scientific research in economic study and investigation.

Formal graduate instruction is offered in Economic Theory and in Applied Economics, by parallel courses of lectures throughout the year. The particular topics treated vary from year to year. In 1906-07 Professor Hollander lectured two hours weekly on the principles of political economy and two hours weekly on American municipal finance. During the year 1907-08 attention was given, in the course on economic theory, to the development of economic doctrine since Adam Smith. In the course on applied economics, careful study was made of American commonwealth finance. Dr. Barnett lectured during the first half-year on the comparative study of banking systems, and during the second half-year on the history of American banking. Special courses of lectures were given during the year by Mr. John M. Glenn, Director of the Russell Sage Foundation, on Problems of Relief; by Mr. Logan G. McPherson, of New York, on Railway Transportation; by Dr. A. M. Sakolski, of the U. S. Bureau of Corporations, on Corporation Accounting; by Dr. T. W. Glocker, on Socialism.

The courses offered for 1908-09 are as follows:

1. The Economic Seminary.

Professor HOLLANDER and Associate Professor BARNETT. *Two hours weekly, through the year.*

The work of the year will continue to be a systematic study of the history, structure, and activities of labor organizations in the United States.

2. Economic Thought before Adam Smith.

Professor HOLLANDER. *Two hours weekly, through the year.*

During the first half-year a careful historical survey will be made of the beginnings of English economic thought. During the second half-year attention will be given to the economic thought of the eighteenth century.

3. The Theory and Practice of Exchange.

Professor HOLLANDER. *Two hours weekly, through the year.*

During the first half-year a critical study will be made of the theory of money and credit. During the second half-year the institutions of the money market will be examined.

4. Statistical Methods.

Associate Professor BARNETT. *One hour weekly, through the year.*

During the first half-year, the historical development of statistics will be considered. During the second half-year, the methods of statistical investigation will be treated.

Special courses of lectures will be given by non-resident lecturers upon such practical economic problems as charities and correction, railway transportation, industrial organization.

A reading class is organized yearly by the more advanced students of the department for the co-operative study of economic texts and for the critical discussion of current economic literature.

In co-operation with the department of history and political science, opportunity is offered in the Historical and Political Science Association for the presentation and discussion of original papers in economic science by instructors and invited speakers, and for the review by students of current publications of importance in these several fields.

UNDERGRADUATE COURSES

Undergraduate instruction in Political Economy is given by Professor HOLLANDER and Associate Professor BARNETT. The course of instruction covers three years, as follows:

1. (*a*) Economic History.
   Three hours weekly, first half-year.
   (*b*) Elements of Economics.
   Three hours weekly, second half-year.
2. (*a*) Finance.
   Three hours weekly, first half-year.
   (*b*) Money and Banking.
   Three hours weekly, second half-year.
3. (*a*) Statistical Methods.
   Three hours weekly, first half-year.
   (*b*) History of Economic Theory.
   Three hours weekly, second half-year.

POLITICAL SCIENCE

GRADUATE COURSES

The graduate work in Political Science has for its aim the preparation of advanced students for professional and original work in the fields of Constitutional Law, International Law and Diplomacy, and Political Philosophy. It seeks also to supply the necessary training for those desiring to enter the higher branches of the public service, and to furnish a broad and philosophical equipment to those who expect later to pursue the study and practice of the law.

Seminary

In addition to the Historical and Political Science Association, at which the students of the departments of History, Economics, and Political Science meet jointly

for the presentation of papers by the instructors and by invited speakers, a weekly Seminary is held by Professor Willoughby at which reports upon special subjects are read by the students and discussed.

Journal Club

A fortnightly meeting of the advanced students, conducted by Professor Willoughby, is held for the discussion of current political literature—books and periodicals.

Lectures

The lectures are so arranged as to give three or more years of continuous instruction, covering the following subjects: The Theory of the State (being a general introduction to the study of Constitutional and International Law), Foreign Constitutional Law, United States Constitutional Law, the Legal Aspects of Economic and Industrial Problems, the History of Political Theories and of Political Literature, and Historical Jurisprudence.

During the year 1908-09 the following courses will be given:

1. Introduction to the Study of Public Law.

   Professor WILLOUGHBY. *Two hours weekly, first half-year.*

   This course deals with the nature of the State, constitutionally and internationally viewed.

2. Comparative Constitutional Law.

   Professor WILLOUGHBY. *Two hours weekly, second half-year.*

   A discussion of the more difficult points in the systems of constitutional jurisprudence of Germany, Switzerland, Canada, and Australia.

3. Administrative Law of the United States.

   Professor WILLOUGHBY. *One hour weekly, first half-year.*

   A discussion of the constitutional law governing the exercise of federal executive powers.

4. Political Theories and Political Literature in England during the Nineteenth Century.

   Professor WILLOUGHBY. *One hour weekly, second half-year.*

5. Historical Development of the Roman Law.
Dr. MAGOFFIN. *One hour weekly, through the year.*

6. Historical Development of the English Law.
Dr. STEINER. *One hour weekly, through the year.*

Undergraduate instruction in Political Science is given in the departments of History and Economics.

PHILOSOPHY AND PSYCHOLOGY

GRADUATE COURSES

The graduate work of the department takes different directions according as the chief interest of the student lies in the field of Philosophy proper, in Experimental and Comparative Psychology, or in Education. In each great subject the work is planned to cover three years. The arrangement by years is mainly for convenience; it is not of the nature of a curriculum. The courses are offered to stimulate the student in the work of investigation. Whether or when the student shall take the degree of Doctor of Philosophy depends upon his success in the prosecution of a piece of research.

In Philosophy proper the first year offers courses in General Psychology, Social Psychology and Philosophy, Theory of Evolution, and Genetic Psychology—these topics being the necessary foundation for the more detailed work of later years. In Psychology, a training course in Experimental and Comparative Psychology is added. Students specializing in Education take courses in the different branches of Psychology, in Evolution, and in the History of Philosophy and of Education.

In the second year, more special work of research is carried on. In Philosophy, the Theory of Knowledge becomes the central topic; History of Philosophy and Ethics are given; and a variety of special topics is pre-

sented. Under Psychology, the research courses in the laboratory are central, the Theory of Knowledge is associated with it, and again a variety of special topics allows choice of subjects allied to the main problem of the particular student. With Education, Psychology, Philosophy, and Ethics are always associated.

In the third year, the seminary and laboratory courses are the centre of all the work done, the student being expected to give most of his time to the topic of his dissertation. The professors devote themselves to the direction of the student's investigation. A graduate conference meets weekly.

Professor BALDWIN:

I. Theory of Experience. Seminary course on the more logical and philosophical aspects of knowledge in its relation to experience as a whole, summarizing the theory of Genetic Logic.
Two hours a week through the year.

II. Theory of Organic and Mental Evolution.
One hour a week, first half-year.

III. Theory of Mental Development in the Individual.
One hour a week, first half-year.

IV. Social Psychology.
One hour a week, second half-year.

Professors BALDWIN and GRIFFIN:

Graduate Conference. Papers and discussions by all members of the department.
One hour a week through the year.

Professor GRIFFIN:

I. British Empirical Philosophy.
One hour a week through the year.

II. Ethical Theories from Hobbes to Price.
One hour a week through the year.

Professor BUCHNER:

I. Philosophy of Education (Seminary Course).
Two hours a week through the year.

II. Continental Philosophy since Kant.

Two hours a week through the year.

III. Educational Psychology.

One hour a week through the year.

Professor WATSON (with Dr. DUNLAP):

I. Experimental Psychology. Advanced training and research course, designed to afford students advanced training in experimental technique; research problems to be assigned early in the course.

Two hours a week through the year (laboratory hours to be arranged).

II. Comparative Psychology. Research course, covering the field of animal behavior. Research problems assigned to individuals.

Two hours a week through the year (laboratory hours to be arranged).

Dr. C. L. FRANKLIN:

I. Theory of Color Vision.

One hour a week, first half-year.

II. Symbolic Logic.

One hour a week, second half-year.

Dr. DUNLAP:

The Psychology of Sensation, with special reference to Vision and Hearing.

One hour a week, first half-year.

Dr. FURRY:

History of Aesthetics.

One hour a week through the year.

UNDERGRADUATE COURSES

1. *a.* Deductive and Inductive Logic.

Creighton's Introductory Logic is used as a text-book, with references to the works of Jevons, Mill, Bain, Keynes, and other writers.

Three hours weekly, until Christmas. Professor GRIFFIN.

b. Psychology.

Text-books liable to change from year to year are made the basis of instruction, but the subject is presented largely through informal lectures and discussions, and by means of passages in various authors assigned for reading. A series of lectures and

demonstrations on physiological and experimental psychology is included in the course. One essay on an assigned subject is required from each member of the class.

Three hours weekly, January 1 *to April* 1. Professor WATSON.

c. Ethics.

The subject is taught by lectures, recitations from a text-book—Mackenzie's Manual of Ethics being used at present,—and references to the works of the most important writers.

Three hours weekly, after April 1. Professor GRIFFIN.

2. Introduction to Experimental and Comparative Psychology.

Lectures and laboratory exercises, Tuesday and Thursday, 2 *to* 5 *p. m.* Professor WATSON.

This course, consisting of lectures, demonstrations, and laboratory exercises, is designed to serve both as a training course and as a general introduction to the problems and methods of experimental and comparative psychology.

3. Outlines of the History of Philosophy.

Rogers's Student's History of Philosophy, Weber's History of Philosophy, and other works of reference are used as the basis of lectures, discussions, and recitations.

Two hours weekly, through the year. Professor GRIFFIN.

All candidates for the degree of Bachelor of Arts are required to follow course 1 during the last year of residence.

DRAWING

1. Freehand Drawing.

The instruction aims to impart such knowledge of the principles of drawing as shall best serve to educate the eye and train the hand. Students looking forward to the study of medicine or biology will find this course of value in the illustration of lectures and laboratory work.

Three hours weekly, through the year. Mr. WHITEMAN.

2. Descriptive Geometry and Mechanical Drawing.

This course is offered to students who intend studying engineering. The work consists of lectures in the theory and of the practical application in working problems. The study of orthographic, scenographic, and isometric projections is taken up later in the course.

Three hours weekly, through the year. Mr. WHITEMAN.

Public Speaking and Debate

A course in reading and platform speaking is required of undergraduate students in their second year. For the sake of convenience in instruction, the class is divided into several small sections, to each of which is devoted one hour a week. A course in debating, which involves the study of parliamentary law, the collection and arrangement of material, and frequent practice in debate under the direction of an instructor, is assigned to students in their third year. The work of the two years is counted as a half-course. During the fourth year opportunity for a more detailed study of the art of debate and for practice in argumentative composition is open to those who desire it. Prize contests in public speaking and in debate are held annually, and one intercollegiate debate is, as a rule, undertaken each year.

Physical Training and Athletics

The authorities of the university, recognizing the importance of systematic physical exercise under suitable advice, have placed the gymnasium in charge of Dr. Ronald T. Abercrombie, and have put the work of this department on a parity with the work done in the regular courses of study.

A careful physical and medical examination is made of each undergraduate, and such exercises are prescribed as are best suited to his needs. During his first year of residence, he is required to follow the prescribed gymnasium course, which includes also his attendance on a course in hygiene. Regular class instruction is given every afternoon from five to six o'clock. The use of the gymnasium is optional in the case of graduate students, and is offered

to all members of the university upon payment of the ordinary locker fee.

"Hopkins Field," the new athletic ground at Homewood, was ready for use in October, 1907. In its construction special attention was paid to the problem of drainage, and in this respect the field is well-nigh perfect. It is enclosed by one of the best quarter-mile cinder tracks in the country, with a 220-yard "straightaway." A clubhouse provides dressing rooms, lockers, and shower baths. A stand built of ferro-concrete and accommodating one thousand spectators will be completed by the autumn of 1908.

In order to prevent ill-advised participation in out-door sports, and to guard against over-indulgence in training, the athletic teams of the university are under the control of the director of the gymnasium. No student is allowed to become a member of a team unless his physical condition is satisfactory, and no student is allowed to be a member of, or a candidate for, an athletic team, who is seriously deficient in his studies.

INFORMATION CONCERNING THE DEGREE OF MASTER OF ARTS

The degree of Master of Arts is offered to students who have obtained the baccalaureate degree from a college of good standing, have then followed courses of university study under proper guidance for at least two years, and have satisfied the requirements mentioned below.

The Board of University Studies reserves the right to decide in each case whether the preliminary training has been satisfactory, and, if any of the years of graduate work have been passed by the candidate away from this University, whether they may be considered as spent in accordance with these regulations.

At least one academic year must be passed in this University, and in every case this must be the one immediately preceding the final examinations, unless special permission to the contrary is granted by the Board of University Studies for some extraordinary reason.

The candidate for the degree must make formal application to the Board of University Studies at least one academic year before he expects to present himself for his final examinations. In this application he must state the subject which it is his intention to pursue as his principal study, and in his choice of additional subjects he must be guided by the advice of the professor in charge of his principal work.

In order to obtain the degree the candidate must satisfy two requirements:

1. He must prepare an essay upon a subject approved by the Board of University Studies. This must be completed and submitted to the Board at least four weeks before the time of the final examinations. Two referees will then be designated who shall present to the Board a written report. This essay shall be prepared for presentation to the Board in the manner prescribed for the

dissertations submitted for the degree of Doctor of Philosophy.

2. If the report on the essay is satisfactory, the candidate will then be admitted to the final written examinations.

The candidate is, however, permitted to take at the end of any academic year (or at the beginning of the next) examinations on the subjects followed during that year. In case these are passed in a satisfactory manner, he will not be examined further in them. Reports of these examinations shall be made to the Board of University Studies.

The names of the candidates found worthy of the degree will be submitted to the Board of Trustees, and with their approbation the degree will be publicly conferred.

INFORMATION CONCERNING THE DEGREE OF DOCTOR OF PHILOSOPHY

GENERAL STATEMENT

The degree of Doctor of Philosophy is offered to students who, after obtaining the baccalaureate degree from a college of good standing, have followed courses of university study under proper guidance and without serious distractions for at least three years and have satisfied the requirements mentioned below.

The Board of University Studies reserves the right to decide in each case whether the preliminary training has been satisfactory, and which, if any, years of graduate work not spent in this University are to be considered as spent in accordance with these regulations.

At least one academic year must be passed in this University, and, except in extraordinary cases, the one preceding the final examinations.

PRINCIPAL AND SUBORDINATE SUBJECTS

To become a candidate for the degree the student must select a subject on which he intends to concentrate his efforts and must place himself under the guidance of the professor of this subject. This is called his "principal" study. With the advice of the professor and subject to the approval of the Board of University Studies, the student must choose two other studies, known as "subordinate" subjects, which he must follow. These are called the "first subordinate" and the "second subordinate," and the two should represent one year's work, two-thirds of this being devoted to the former. Additional information concerning the selection of these subjects is given on pages 213-220.

ACCEPTANCE OF THE CANDIDATE

A student who wishes to be considered a candidate for the degree must make written application to the Board of

University Studies upon a form provided for this purpose, at least one academic year before he expects to present himself for his final examinations.* Before this application can be accepted, he must satisfy the University examiners that he is able to translate at sight French and German journals and monographs relating to his principal subject.

REQUIREMENTS FOR THE DEGREE

Certain examinations, as outlined below, must be passed by the candidate, in order to obtain the degree; but the distinctive requirement for this degree is the presentation of evidence that the candidate has carried to successful completion an original investigation in his principal subject upon a theme approved by his professor. The results of this investigation must be embodied in a dissertation, and submitted to the Board of University Studies.

REGULATIONS CONCERNING THE DISSERTATION

a. The dissertation must be prepared for presentation to the Board of University Studies in accordance with instructions which may be obtained from the Registrar, and to every such dissertation must be appended a brief biographical sketch of the author. It must be submitted to the Board at least four weeks before the examinations in the principal subject.

b. The Board shall designate two or more referees, who shall make a written report on the dissertation.

REGULATIONS CONCERNING THE EXAMINATIONS†

a. The candidate shall be subjected to written examinations in his principal subject, and, whenever prac-

*A student who has been admitted as a candidate for the degree of Doctor of Philosophy will be considered to have satisfied the requirements for admission to courses leading to the degree of Master of Arts.

†If a student who has absolved the examinations required for the degree of Master of Arts in this University becomes a candidate for the degree of Doctor of Philosophy, he may, at the discretion of the professors, be excused from any further written examinations in the particular courses in which he has already passed.

ticable, in both his subordinate subjects. The results of the examinations shall be reported in writing to the Board of University Studies; and, if these reports and the report on the dissertation are satisfactory, the candidate shall be admitted to an oral examination in his principal and first subordinate subjects before the Board, or a section of it.

b. The written examinations in the subordinate subjects may be taken at any time during the candidate's residence at the University, subject to the judgment of the examiners.

c. In the written examinations no session shall exceed five hours. In the oral examinations before the Board, the time allotted shall be one hour; and three-quarters of this shall be devoted to the principal subject.

OTHER REGULATIONS

Before the candidate is admitted to the oral examination he must signify his intention, in the event of his receiving the degree, to print his dissertation in full or in part, and to satisfy the requirements specified below.

If the dissertation is not printed in full, an abstract must be prepared or a portion selected with the approval of the professor, which shall contain when printed not less than twenty-four octavo pages.

One hundred and fifty printed copies of the dissertation must be presented to the University within one year of the time when the degree is conferred. These must have the prescribed title page and must contain the biographical sketch.

The candidate is advised to have these printed copies ready for presentation before the date for the conferring of the degree; otherwise a deposit of $50.00 with the Treasurer of the University must be made. This deposit is returned when the printed copies are presented to the University. If these have not been received within the year specified, the Board of University Studies may declare the deposit forfeited and may apply the amount in printing the dissertation or a part of it.

CONFERRING OF THE DEGREE

The names of the candidates found worthy of the degree will be submitted to the Board of Trustees, and with their approbation the degree will be publicly conferred.

Information Concerning the Choice of Subordinate Subjects

The following suggestions are not to be understood as limiting the attention of the student to the subjects directly connected with the requirements for the degree. In order to secure the full benefit of university training it is often desirable to broaden the outlook through acquaintance with other subjects—especially those that are conterminous with the chosen field of study. It is also important to learn to appreciate the methods and to come under the influence of other personalities than those that dominate the student's special line of work.

In the choice of subordinate subjects to be associated with a principal one, considerable freedom is permitted by the Board of University Studies. Certain combinations have been recognized officially in previous years, and others are admissible.

In the study of any principal subject, the knowledge of a limited number of other subjects is, as a rule, essential. If, on entrance, the student is not sufficiently proficient in these, he must follow courses in this university which will give him the requisite knowledge. These courses need not, however, of necessity be offered as first and second subordinates.

In order to guide the student in his selection of subordinate studies, a number of statements are given below in tabular form, which apply to the various departments

of study in this university. These statements furnish:—

I. In case the student selects a given subject as his principal one:

a. A list of the other subjects an adequate knowledge of which is considered essential.

b. A list of the subjects which, in the past, have been accepted as first or second subordinates in connection with the principal subject.

II. In case the student selects a given subject as his subordinate one:

A list of the courses in that department, which are ordinarily considered sufficient.

Mathematics

I. *a.* While no other subject can be said to be essential to the study of mathematics, it is very desirable that one taking up graduate work should have adequate knowledge of natural sciences, particularly of physics.

b. Physics, Geological Physics, Electricity, Astronomy, History of Philosophy, Psychology.

II. Two or more of the following: Elementary Differential Equations, Theory of Functions, Vector Analysis, Dynamics.

Physics

I. *a.* Chemistry and Mathematics.

b. Chemistry, Mathematics, Astronomy, Applied Electricity, Geological Physics.

II. Physics 1, 2 or 3, with corresponding laboratory courses, Advanced General Physics, Applied Electricity.

Astronomy

II. Celestial Mechanics; Cosmical Physics, with observatory work.

Chemistry

I. *a.* Mathematics (through the Calculus), General Physics, Mineralogy, Physical Chemistry.

b. Mathematics, Physics, Mineralogy, Geology, Physical Chemistry, Biology 1.

II. Chemistry 2 or 3; Physical Chemistry, with corresponding laboratory courses.

Geology

I. *a.* Students who take Geology as their principal subject, are allowed to select courses suitable as a training for general geology and teaching, or those which lead to specialization in Paleontology, Stratigraphic Geology, Petrography, Mineralogy, or Geological Physics. All students are expected to be familiar with the matter given in the elementary or undergraduate courses.

b. (1) Biology, (2) Chemistry, (3) Physics, (4) Petrography, (5) Mineralogy, (6) Paleontology.

Nos. 1-3 may be taken as second subordinates by all students in Geology.

Nos. 4-5 may be taken as a first subordinate by students specializing in Paleontology or Stratigraphic Geology, who are advised to take Biology or Physics as a second subordinate.

No. 6 may be taken as a first subordinate by students specializing in Petrography or Mineralogy, who are advised to take chemistry or physics as a second subordinate.

For students in Physics: Geological Physics, Exploratory Surveying, Crystallography—Optical Mineralogy (Geology 1 in part, Advanced Mineralogy in part).

For students in Chemistry: Geology 3 and Economic Geology, Geology 1, Advanced Mineralogy.

For students in Biology: Geology 1 or 2, Paleontology and Paleobotany, Historical Geology.

Zoology

I. *a.* Two or more of the following: Chemistry, Physics, Botany, Geology, Physiology, Psychology.

b. Botany, Physiology, Geology, Anatomy, Pathology.

II. Biology 1, Biology 2 (Part 1), Biology 3 (Part 1), a graduate course.

Botany

I. *a.* Physics, Chemistry, General Biology, Zoology.

b. Zoology, Physical or Organic Chemistry, Geology, Physiology, Pathology.

II. An undergraduate course, with laboratory work; one of the graduate courses.

Physiology

I. *a.* Physics, Chemistry, and Biology.

b. Zoology, Botany, Physics, Chemistry, Physiological Chemistry.

II. Course 4, as on page 169.

Greek

I. *a.* Latin and English (language and literature).

b. Latin, Comparative Grammar, Sanskrit, English, Semitic, Classical Archæology, Philosophy.

II. Prescribed courses of reading in the chief ranges of Classical Greek literature of greater or less extent for first or second subordinate.

Two courses of practical exercises for the first subordinate, one course for the second.

Attendance on the Seminary for two years for the first subordinate, one year for the second.

Latin

I. *a.* Greek and English (language and literature).

b. Greek, Sanskrit and Comparative Philology, Classical Archæology (Greek and Roman), English, a Romance language, a Semitic language, History.

II. Attendance on the Seminary and lectures during two years for the first subordinate subject, one year for the second.

Prescribed courses of reading in Roman literature for first or second subordinate.

Those who make Latin their principal subject must take Greek as one of their subordinate subjects. They must also follow the regular courses in Latin Epigraphy and Palæography, as well as in the Comparative Grammar of the Indo-European languages.

Classical Archaeology

I. *a.* Latin and Greek.

b. Latin, Greek, History, Sanskrit and Comparative Philology, Italian or another Romance language.

II. Five hours weekly for two years for the first subordinate; five hours weekly for one year for the second. Prescribed courses of reading.

Those who make Classical Archæology a principal subject are urged to plan for at least a year of residence in Europe, preferably in the American School of Classical Studies at Athens or in the American School of Classical Studies in Rome. For advanced students of Roman Archæology, a reading knowledge of Italian is indispensable.

Sanskrit and Comparative Philology

I. *a.* Classical or Modern Philology, History, Philosophy.

b. Greek, Latin, Germanic Philology, English, Philosophy.

II. For the first subordinate subject, a course in Sanskrit, two lectures a week during two years and attendance on the Vedic Seminary for a half-year (one hour a week); for the second subordinate subject, a course in Sanskrit, two hours a week during a year and a half.

In no case has a student whose principal subject was Sanskrit and Comparative Philology restricted himself to two subordinate subjects. As a rule Avestan, Lithuanian, Gothic, English, and other subjects figured among his courses, in addition to the principal and the two subordinate subjects.

Oriental Seminary

I. *a.* For Hebrew as the principal subject—German, Greek, Latin, Arabic, History of the Ancient East, Biblical Antiquities, Geography of Western Asia.

b. Assyrian, Arabic, Syriac, or Ethiopic, as the first or the second subordinate subject; Egyptology, History of the Ancient East, History of Philosophy, Greek, Sanskrit, Philippine languages, as the second subordinate.

II. For Hebrew as first subordinate—Comparative Hebrew Grammar, Hebrew Prose Composition, Old Testament Seminary.

For Hebrew as second subordinate—the second year's course in Hebrew and private reading of at least fifty chapters of the Hebrew Bible.

English

I. *a.* Gothic, Old High German, Middle High German, Old Norse, Old French, German and French Literature.

b. German, French, Italian, Spanish, Greek, Latin, Sanskrit, History, Philosophy.

II. Courses in the history of the Language and the Literature and some special work in selected periods or subjects.

German

I. *a.* English, French, Latin.

b. English, French, Latin, Sanskrit, Spanish, Greek, History of Philosophy, History.

II. German as second subordinate—Courses 1, 2, 5, Seminary in Middle High German, one year's membership in the Germanic Society (or a similar amount of work in German Literature).

German as first subordinate—a combination of the two alternatives indicated above; two years' membership in the Germanic Society.

Romance Languages

I. *a.* Latin; a reading knowledge of Spanish, or of Italian, if either of these is chosen as the principal subject; an elementary acquaintance with French, Spanish, or Italian history, according to selection of subject.

b. Sanskrit, Greek, Latin, German, English, History, Philosophy.

II. For the first subordinate, Literature (old and modern), Language (old and modern), Physiological Phonetics, Popular Latin, Private Reading.

For the second subordinate, Literature (modern), Language (modern), Private Reading.

History

I. *a.* Political Economy, Political Science, Latin, French, German.

b. Political Economy, Political Science, Philosophy, English, French.

II. For the second subordinate, lectures, with collateral research, two hours a week for two years, either in European, English, or American history; for first subordinate, four hours a week for two years, with choice in the same subjects.

Political Economy

I. *a.* History and Political Science.

b. History, Political Science, Philosophy, English, Mathematics, Biology.

II. For the first subordinate, two graduate courses for two years, with prescribed reading; for the second subordinate, two graduate courses for one year, with prescribed reading.

Political Science

I. *a.* History, Political Economy, and the Principles of Private Law.

b. History, Political Economy, Philosophy, the Principles of Private Law.

II. Two hours' lecture work, with collateral reading, for two years, for the second subordinate; four hours' work for two years for the first subordinate.

Philosophy.

The choice of subordinate subjects is made in consultation with the professors. The different branches of the department—Philosophy, Scientific Psychology, and Education—do not lend themselves to a single scheme of subordinate subjects, since wide variations arise in individual cases.

COLLEGIATE INSTRUCTION

The Johns Hopkins University makes ample provision for collegiate instruction. The courses offered to undergraduates are maintained with no less care and thoroughness than those intended for advanced students; many of the most experienced members of the academic staff cooperate in the conduct of them. No small part of the influence and usefulness of the university is in connection with the collegiate classes, in which, since 1876, nearly two thousand students have been enrolled.

Certain features of organization and administration have contributed to the effectiveness of the undergraduate work. The scrupulous observance of the distinction between the disciplinary methods appropriate to college teaching and the freer methods of advanced instruction; the "group" arrangement of studies, combining a reasonable liberty of choice with a sufficient exercise of authority; the facilities afforded young men of superior capacity for carrying their studies beyond the requirements of graduation; the influence upon younger pupils of the presence of a large body of graduate scholars conducting investigations in all the great departments of learning,—these conditions have proved favorable to the development of earnestness and scholarly devotion.

Arrangement of Courses

Upon admission to the university, an undergraduate student is assigned to an Adviser (see page 235), and under his guidance is expected to select a scheme of studies composed of courses more or less connected. In order to help the student in this selection five groups of studies are organized, details concerning which are given below. Having once made a choice, a student may not change his group except with the consent of his Adviser and with the approval of the Executive Committee of the Board of Collegiate Studies.

In the formation of the various groups, the effort has been made to combine such studies as shall give the student the essential elements of a liberal education, and, at the same time, special training in certain co-ordinate subjects. By this method the student is not bound to a particular routine of work for which he may feel no especial inclination, nor yet is it possible for him to waste his time and attention by the injudicious selection of wholly unrelated subjects. In all the groups provision is made for certain studies prescribed for all students who are candidates for a degree, and for certain other studies peculiar to the individual group.

By reference to the detailed statement of each group given on pages 225-229, it will be seen that the courses of the first two years are prescribed, but that in each of the last two years there are but one or two prescribed studies. In each of these last two years, therefore, a student may, subject to the provisions already noted, elect four courses. With the approval of his Adviser he may select any courses which he is prepared to enter.

The following is a general statement of the characteristic features of each group:

Group I. Ancient Languages

In Group I the emphasis is laid upon Latin and Greek, each of which is studied for at least two years. In the last two years the courses are so arranged that the student may continue the study of these languages, or, if he desires, may devote himself to the study of History, Modern Languages, or Science.

Group II. Modern Languages

In Group II the study of Latin is continued for two years, but the literary training of the student is based chiefly on the study of English, French, and German, with Spanish and Italian if desired. In the later years the courses are arranged so as to permit the student to continue the study of Modern Languages, or to give his attention to History or Science.

Group III. History and Political Economy

In Group III the study of Latin is continued as in Groups I and II, but the student devotes the greater part of his time to History and Political Economy. He may continue these studies during the last two years, or he may take advanced courses in Latin, Modern Languages, or Science.

Group IV. Mathematics and Physics

In Group IV the training of the student is based upon the study of the exact sciences rather than upon language and history. Mathematics and Physics are studied for at least two years, and the student may also follow courses in Chemistry, Biology, or Geology. In the last two years, the student may continue the former studies, or he may take advanced courses in Modern Languages and History.

Group V. Chemistry, Biology, and Geology

In Group V the natural sciences form the basis of instruction, being supplemented by the prescribed courses in Modern Languages, History or Political Economy, and Mathematics. In the later years, the student may continue the study of Science, or he may devote his attention to Modern Languages or History.

Students who intend to enter the medical department of this university, should choose Group V, and should arrange to pursue the following courses: English, French, and German, each for two years; Mathematics, for two years; Chemistry, for three years; Biology and Physics, each for one year. Other prescribed courses are History or Economics for one year and Philosophy for one year. These students are advised by the Medical Faculty to arrange their work so that their last year shall include courses in Chemistry and Biology, and, if possible, a course in the Chemistry of the Carbon Compounds.

These courses may be arranged as follows:—First year: Chemistry 1, French 1 or German 1, English Composition 1, Mathematics 1, Physical Training. Second year: English Literature 1, German 1 or French 1, Mathematics 2, Chemistry 2, Vocal Training, and a half-course to be elected. Third year: Physics 1, with laboratory, General History (History 2) or Political Economy, French 2 or German 2, Biology 1, Forensics. Fourth year: Philosophy, German 2 or French 2, Chemistry 3, Biology 2.

It should be noted that, in order to enter the medical department, the degree of Bachelor of Arts is required, and further that the conditions for this degree, as stated on pages 233-234, prescribe at least three courses in one definite subject.

Group I. Ancient Languages

First Year

PRESCRIBED SUBJECTS

LATIN 1. *Four hours weekly.*
Livy; Vergil.
Catullus; Juvenal.
Prose Composition.
Private Reading: Cæsar, *Bell. Civ.;* Vergil; Cicero.

GREEK 1. *Four hours weekly.*
Xenophon; Plato; Herodotus.
Prose Composition.
Private Reading: Plato, *Crito;* Homer, *Odyssey*, two books.

PHYSICAL TRAINING.

ENGLISH COMPOSITION 1. *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

MATHEMATICS 1.* *Three hours weekly, first half-year.*
Solid Geometry.
Advanced Algebra.

NATURAL HISTORY. *Three hours weekly and laboratory, second half-year.*
Zoology.
Botany.

Second Year

PRESCRIBED SUBJECTS

LATIN 2. *Three hours weekly.*
Plautus; Tacitus.
Horace.
Private Reading: Terence; Cicero, *Letters.*

GREEK 2. *Three hours weekly.*
Lysias; Isocrates; Euripides.
Prose Composition.
Private Reading: Xenophon, *Hellenica*, book I; Euripides, *Cyclops.*

VOCAL TRAINING. *Weekly.*

ENGLISH LITERATURE 1. *Three hours weekly.*
Outline History to 1600.
Chaucer; Spenser; Shakespeare.
Private Reading.

GENERAL HISTORY (History 2). *Three hours weekly.*

FRENCH *or* GERMAN ELEMENTS. *Four hours weekly.*
Essentials of Grammar.
Translation and Composition.

Third Year

PRESCRIBED SUBJECTS

PHYSICS 1. *Three hours weekly.*
Elementary Mechanics.
Heat. Sound. Light.
Electricity. Magnetism.

GERMAN *or* FRENCH ELEMENTS. *Four hours weekly.*
(As in second year.)

FORENSICS. *Weekly.*

SUBJECTS ADVISED

LATIN 3. *Three hours weekly.*
Lucretius; Vergil.
The Elegy; Martial.
Roman Literature.
Private Reading: Cicero; Pliny.

GREEK 3. *Three hours weekly.*
Plato; Lyric Poets; Sophocles.
Survey of Greek Literature.
Prose Composition.
Private Reading: Elegiac and Iambic Poets; Aeschylus.

ELECTIVE COURSE.† *Three hours weekly.*

Fourth Year

PRESCRIBED SUBJECT

PHILOSOPHY. *Three hours weekly.*
Logic.
Ethics.
Psychology.

SUBJECTS ADVISED

LATIN 4. *Three hours weekly.*
Petronius; Apuleius.
Seneca; Valerius Flaccus.
Private Life of the Romans.
Private Reading: Fragments of Early Latin; Suetonius, *Augustus;* Quintilian.

GREEK 4. *Three hours weekly.*
Thucydides; Lucian; Aristophanes.
Greek Life.
Private Reading: Demosthenes; Aristophanes.

TWO ELECTIVE COURSES.† *Six hours weekly.*

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*Those who absolve this course by special examination at entrance, may follow Natural History through the year.

†For courses which may be taken as electives, see page 230.

Group II. Modern Languages

First Year

PRESCRIBED SUBJECTS

LATIN 1. *Four hours weekly.*
Livy; Vergil.
Catullus; Juvenal.
Prose Composition.
Private Reading: Cæsar, *Bell. Civ.*; Vergil; Cicero.

FRENCH 1 *or* GERMAN 1.* *Four hours weekly.*
Modern Prose.
Composition.
Private Reading.

PHYSICAL TRAINING.

ENGLISH COMPOSITION 1. *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

MATHEMATICS 1.** *Three hours weekly, first half-year.*
Solid Geometry.
Advanced Algebra.

NATURAL HISTORY. *Three hours weekly and laboratory, second half-year.*
*Zoology.
*Botany.

Second Year

PRESCRIBED SUBJECTS

LATIN 2. *Three hours weekly.*
Plautus; Tacitus.
Horace.
Private Reading: Terence; Cicero, *Letters.*

FRENCH 2. *Three hours weekly.*
The Nineteenth Century.
Selected Classics.
Literature. Composition.
Private Reading.

Or

GERMAN 2. *Three hours weekly.*
Classical Authors:
Schiller; Goethe.
Composition.
Private Reading.

VOCAL TRAINING. *Weekly.*

ENGLISH LITERATURE 1. *Three hours weekly.*
Outline History to 1600.
Chaucer; Spenser; Shakespeare.
Private Reading.

GENERAL HISTORY (History 2). *Three hours weekly.*

GERMAN 1 *or* FRENCH 1.* *Four hours weekly.*
(As in first year.)

Third Year

PRESCRIBED SUBJECTS

PHYSICS 1. *Three hours weekly.*
Elementary Mechanics.
Sound. Heat. Light.
Electricity. Magnetism.

GERMAN 2 *or* FRENCH 2. *Three hours weekly.*
(As in second year.)

FORENSICS. *Weekly.*

SUBJECTS ADVISED (THREE TO BE CHOSEN)

FRENCH 3 AND 5. *Three hours weekly.*
Development of the Novel.
Advanced Composition.

GERMAN 3. *Three hours weekly.*
Contemporary Prose.
Lyrics and Ballads.

ENGLISH LITERATURE 5. *Three hours weekly.*

ITALIAN 1 *or* SPANISH 1. *Three hours weekly.*
Essentials of Grammar.
Translation; Composition.

LATIN 3. *Three hours weekly.*
Lucretius; Vergil.
The Elegy; Martial.
Roman Literature.
Private Reading: Cicero; Pliny.

ELECTIVE COURSE.† *Three hours weekly.*

Fourth Year

PRESCRIBED SUBJECT

PHILOSOPHY. *Three hours weekly.*
Logic.
Ethics.
Psychology.

SUBJECTS ADVISED

TWO MODERN LANGUAGES. *Six hours weekly.*

TWO ELECTIVE COURSES.† *Six hours weekly.*

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*French and German Elements (as in Group I) are prescribed in the case of students who offer Greek for matriculation.

**Those who absolve this course by special examination at entrance, may follow Natural History through the year.

†For courses which may be taken as electives, see page 230.

Group III. History and Political Economy

First Year

PRESCRIBED SUBJECTS

LATIN 1. *Four hours weekly.*
Livy; Vergil.
Catullus; Juvenal.
Prose Composition.
Private Reading: Cæsar, *Bell. Civ.*; Vergil; Cicero.

FRENCH 1 *or* GERMAN 1.* *Four hours weekly.*
Modern Prose.
Composition.
Private Reading.

PHYSICAL TRAINING.

ENGLISH COMPOSITION 1. *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

MATHEMATICS 1.** *Three hours weekly, first half-year.*
Solid Geometry.
Advanced Algebra.

NATURAL HISTORY. *Three hours weekly and laboratory, second half-year.*
Zoology.
Botany.

Second Year

PRESCRIBED SUBJECTS

LATIN 2. *Three hours weekly.*
Plautus; Tacitus.
Horace.
Private Reading: Terence; Cicero, *Letters.*

GERMAN 1 *or* FRENCH 1.* *Four hours weekly.*
(As in first year.)

VOCAL TRAINING. *Weekly.*

ENGLISH LITERATURE 1. *Three hours weekly.*
Outline History to 1625.
Chaucer; Spenser; Shakespeare.
Private Reading.

HISTORY 1. *Three hours weekly.*
Ancient Greece.
Ancient Rome.

POLITICAL ECONOMY 1. *Three hours weekly.*
Economic History.
Elements of Economics.

Third Year

PRESCRIBED SUBJECTS

PHYSICS 1. *Three hours weekly.*
Elementary Mechanics.
Heat. Sound. Light.
Electricity. Magnetism.

FORENSICS. *Weekly.*

SUBJECTS ADVISED

HISTORY 2. *Three hours weekly.*
European History.

HISTORY 3. *Three hours weekly.*
English History.

POLITICAL ECONOMY 2. *Three hours weekly.*
Finance.
Economic Institutions.

ELECTIVE COURSE.† *Three hours weekly.*

Fourth Year

PRESCRIBED SUBJECT

PHILOSOPHY. *Three hours weekly.*
Logic.
Ethics.
Psychology.

SUBJECTS ADVISED

HISTORY 4. *Three hours weekly.*
American History.

POLITICAL ECONOMY 3. *Three hours weekly.*
Statistical Methods.
History of Economic Theory.

TWO ELECTIVE COURSES.† *Six hours weekly.*

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*French and German Elements (as in Group I) are prescribed in the case of students who offer Greek for matriculation.

**Those who absolve this course by special examination at entrance, may follow Natural History through the year.

†For courses which may be taken as electives, see page 230.

Group IV. Mathematics and Physics

First Year

PRESCRIBED SUBJECTS

CHEMISTRY 1. *Three lectures, six hours laboratory weekly.*
General Chemistry.

FRENCH 1 *or* GERMAN 1.* *Four hours weekly.*
Modern Prose.
Composition.
Private Reading.

PHYSICAL TRAINING.

ENGLISH COMPOSITION 1. *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

MATHEMATICS 1 *Three hours weekly.*
Solid Geometry.
Advanced Algebra.
Plane Analytic Geometry.

Second Year

PRESCRIBED SUBJECTS

MATHEMATICS 2. *Three hours weekly.*
Differential and Integral Calculus.

PHYSICS 1. *Three lectures, six hours laboratory weekly.*
Elementary Mechanics.
Heat. Sound. Light.
Electricity. Magnetism.

VOCAL TRAINING. *Weekly.*

ENGLISH LITERATURE 1. *Three hours weekly.*
Outline History to 1625.
Chaucer; Spenser; Shakespeare.
Private Reading.

GENERAL HISTORY (History 2). *Three hours weekly.*

Or

POLITICAL ECONOMY 1. *Three hours weekly.*
Economic History.
Elements of Economics.

GERMAN 1 *or* FRENCH 1.* *Four hours weekly.*
(As in first year.)

Third Year

PRESCRIBED SUBJECTS

MATHEMATICS 3. *Three hours weekly.*
Differential and Integral Calculus.
Determinants.
Projective Geometry.
Solid Analytic Geometry.

PHYSICS 2. *Three lectures, six hours laboratory weekly.*
Elementary Mechanics.
Elementary Physical Optics.

FORENSICS. *Weekly.*

SUBJECTS ADVISED

GEOLOGY 1. *Three lectures, six hours laboratory weekly.*
Crystallography.
Descriptive Mineralogy.
Physiography.

Or

BIOLOGY 1. *Three lectures, six hours laboratory weekly.*
General Biology.
Embryology.

Or

CHEMISTRY 2. *Three lectures, six hours laboratory weekly.*
Advanced Inorganic Chemistry.

ELECTIVE COURSE.† *Three hours weekly.*

Fourth Year

PRESCRIBED SUBJECT

PHILOSOPHY. *Three hours weekly.*
Logic.
Ethics.
Psychology.

SUBJECTS ADVISED

MATHEMATICS 4. *Three hours weekly.*

PHYSICS 3. *Three lectures, six hours laboratory weekly.*

ELECTIVE COURSES† (to make up the requisite number of hours).

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*French and German Elements (as in Group I) are prescribed in the case of students who offer Greek for matriculation.

†For courses which may be taken as electives, see page 230.

Group V. Chemistry, Biology, and Geology‡

First Year

PRESCRIBED SUBJECTS

CHEMISTRY 1. *Three lectures, six hours laboratory weekly.*
General Chemistry.

FRENCH 1 *or* GERMAN 1.* *Four hours weekly.*
Modern Prose.
Composition.
Private Reading.

PHYSICAL TRAINING.

ENGLISH COMPOSITION 1. *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

MATHEMATICS 1. *Three hours weekly.*
Solid Geometry.
Advanced Algebra.
Plane Analytic Geometry.

Second Year

PRESCRIBED SUBJECTS

ENGLISH LITERATURE 1. *Three hours weekly.*
Outline History to 1625.
Chaucer; Spenser; Shakespeare.
Private Reading.

GERMAN 1 *or* FRENCH 1.* *Four hours weekly.*
(As in first year.)

VOCAL TRAINING. *Weekly.*

TWO OF THE FOLLOWING

CHEMISTRY 2. *Three lectures, six hours laboratory weekly.*
Advanced Inorganic Chemistry.

BIOLOGY 1. *Three lectures, six hours laboratory weekly.*
General Biology.
Embryology.

GEOLOGY 1. *Three lectures, six hours laboratory weekly.*
Crystallography.
Physiography.
Descriptive Mineralogy.

MATHEMATICS 2. *Three hours weekly.*
Differential and Integral Calculus.

Third Year

PRESCRIBED SUBJECTS

PHYSICS 1. *Three lectures, six hours laboratory weekly.*
Elementary Mechanics.
Heat. Sound. Light.
Electricity. Magnetism.

GENERAL HISTORY (History 2). *Three hours weekly.*

Or

POLITICAL ECONOMY 1. *Three hours weekly.*
Economic History.
Elements of Economics.

FORENSICS. *Weekly.*

NOTE.—If Political Economy be chosen, Biology 1 (see second year) may be taken in this year.

SUBJECTS ADVISED

CHEMISTRY 2. *Three lectures, six hours laboratory weekly.*
(As in second year.)

Or

CHEMISTRY 3. *Three lectures, six hours laboratory weekly.*
Chemistry of Carbon Compounds.

Or

BIOLOGY 2. *Three lectures, six hours laboratory weekly.*
Comparative Anatomy of Vertebrates.
Elements of Bacteriology.

Or

GEOLOGY 1. *Three lectures, six hours laboratory weekly.*
(As in second year.)

Or

GEOLOGY 2. *Three lectures, six hours laboratory weekly.*
Physical Geology.
Structural Geology.
Historical Geology.
Laboratory: Elementary Petrography; Outline Paleontology.

ELECTIVE COURSE.† *Three hours weekly.*

Fourth Year

PRESCRIBED SUBJECT

PHILOSOPHY. *Three hours weekly.*
Logic.
Ethics.
Psychology.

SUBJECTS ADVISED

TWO SCIENCES. *Six lectures, twelve hours laboratory weekly.*

ELECTIVE COURSE.† *Three hours weekly.*

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*French and German Elements (as in Group I) are prescribed in the case of students who offer Greek for matriculation.

†For courses which may be taken as electives, see page 230.

‡See statement as to requirements for the medical department on page 224.

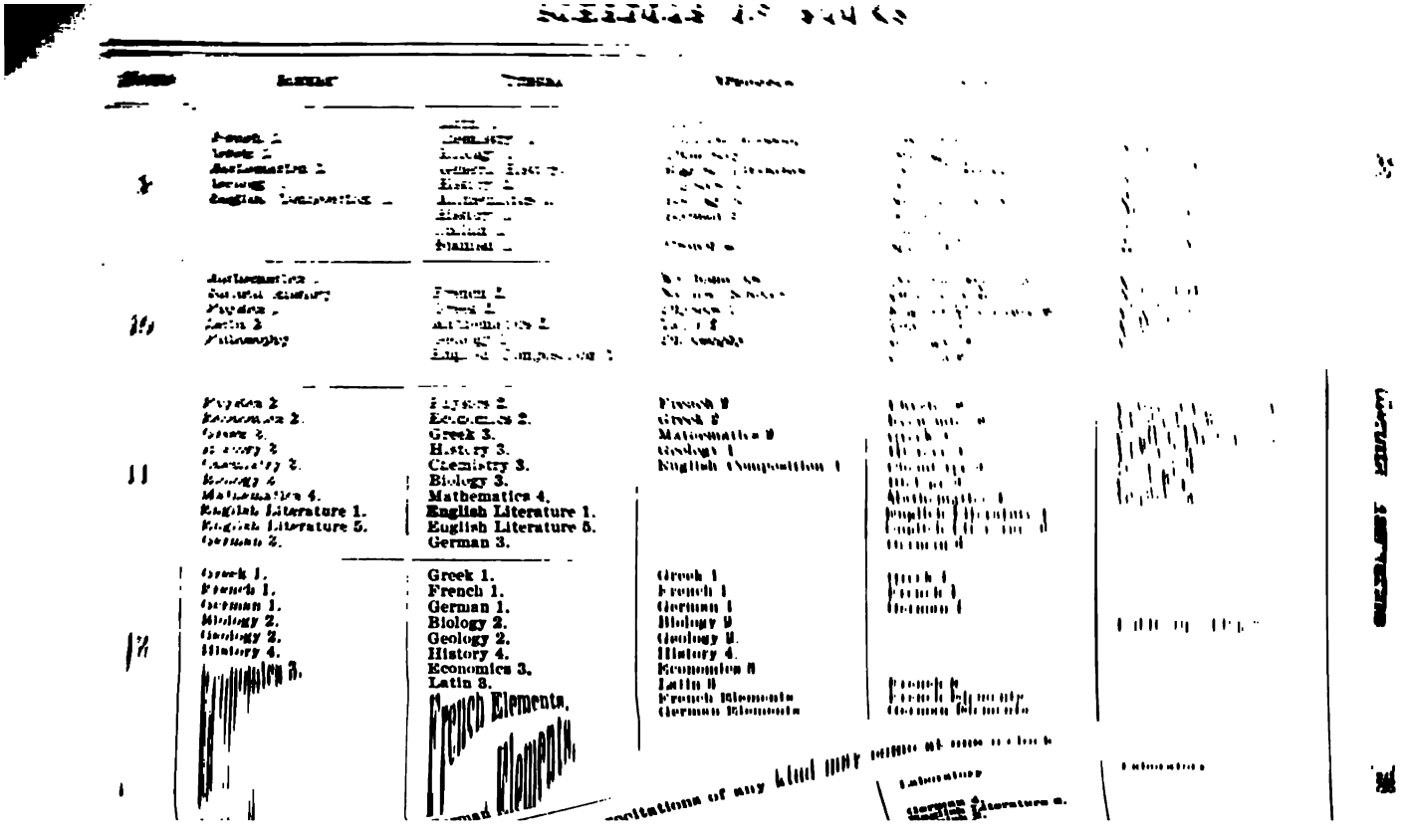
Elective Courses

A student may take as an elective any course that he is prepared to enter. Numerous courses, other than those described under the separate groups, will be given as a rule each year; and they, as well as those scheduled in the groups, may be chosen as elective courses, under the conditions specified on page 222. In 1908-09 these will be in the following subjects:

Latin.
Greek.
Greek and Roman Life.
Classical Archæology.
Comparative Philology.
Hebrew.
English and Anglo-Saxon.
French.
German.
Spanish.
Italian.
History.
Mathematics.
Chemistry.
Physical Chemistry.
Physics.
Astronomy.
Zoology.
Botany.
Geology.
Philosophy.
Psychology.
Drawing.
Political Economy.

SYNOPSIS OF GROUPS

Group I	Group II	Group III	Group IV	Group V
FIRST YEAR				
Latin 1. Greek 1. English Composition 1. Mathematics 1. Natural History. Physical Training.	Latin 1. French 1 or German 1. English Composition 1. Mathematics 1. Natural History. Physical Training.	Latin 1. French 1 or German 1. English Composition 1. Mathematics 1. Natural History. Physical Training.	Chemistry 1. French 1. or German 1. English Composition 1. Mathematics 1. Physical Training.	Chemistry 1. French 1 or German 1. English Composition 1. Mathematics 1. Physical Training.
SECOND YEAR				
Latin 2. Greek 2. English Literature 1. French Elements or German Elements. General History (History 2). Vocal Training.	Latin 2. German 1 or French 1. English Literature 1. General History (History 2) French 2 or German 2. Vocal Training.	Latin 2. German 1 or French 1. English Literature 1. History 1. Political Economy 1. Vocal Training.	Mathematics 2. Physics 1. German 1 or French 1. English Literature 1. General History (History 2) or Political Economy. Vocal Training.	English Literature 1. German 1 or French 1. Two of these: Biology 1. Geology 1. Chemistry 2. Mathematics 2. Vocal Training.
THIRD YEAR				
Physics 1. German Elements or French Elements. Forensics. ——— Latin 3. Greek 3. An Elective.	Physics 1. German 2 or French 2. Forensics. ——— Two Languages. An Elective.	Physics 1. Forensics. ——— History 2. History 3. Political Economy 2. An Elective.	Mathematics 3. Physics 2. Forensics. ——— A Science. An Elective.	Physics 1. General History (History 2) or Political Economy. Forensics. ——— A Science. An Elective.
FOURTH YEAR				
Philosophy. ——— Latin 4. Greek 4. Two Electives.	Philosophy. ——— Two Modern Languages. Two Electives.	Philosophy. ——— History 4. Political Economy 3. Two Electives.	Philosophy. ——— Mathematics 4. Physics 3. Electives.	Philosophy. ——— Two Sciences. An Elective.



Requisites for the Degree of Bachelor of Arts

As evidence that the collegiate course has been successfully completed, the degree of Bachelor of Arts is conferred at its close. The degree signifies, in the case of every recipient, such instruction in ancient and modern languages, in mathematics, in the physical and natural sciences, in literature, philosophy, and history, as is believed to be essential to a liberal education.

Twenty courses are required for graduation, and no combination of studies is accepted which does not include three courses in one subject and two courses in another subject.

All candidates for a degree take the following prescribed courses, which are for one year unless otherwise noted:

Rhetoric.
English Literature.
French.
German.
History or (in Groups IV and V) Political Economy.
Physics.
Mathematics—
  In Groups I, II, and III, one-half year.
  In Groups IV and V, one year.
Philosophy.
Vocal Training.
Forensics.
Physical Exercises.
A Laboratory Course—
  In Groups I, II, and III, Natural History (one-half year).
  In Groups IV and V, Chemistry and Physics.

The remaining courses necessary to complete the number required are chosen, subject to the approval of the Adviser, in accordance with the schemes outlined under the several groups.

A student may be admitted to advanced standing, in accordance with the regulations given on page 241, but in all cases the candidate must pursue the last year of his undergraduate course in this institution.

In general, four years of residence are necessary for the completion of the courses required for a degree. A capable student may, however, complete this work in three years. Such a student may (1) anticipate certain of the courses by special examination at entrance;* (2) present himself, at the beginning of an academic year, for examination in a single course, provided the Committee on Admission and Advanced Standing, being satisfied that the student can obtain competent instruction, has authorized him, in advance, to prepare this course during the summer vacation;* (3) take, under certain conditions, in any year of residence except the first, a greater number of courses than is called for in the program; (4) offer nineteen courses for graduation instead of twenty, in accordance with the following provision:

In case a student has an average of not less than 9 for the work of his third year, and has not received a mark as low as 7 for any of his courses since entrance to the university, he need offer only nineteen courses for graduation.

A student whose average in his studies for each of his last two years has not been less than 9, and who has not received a mark less than 7.5 in any of his courses during his last three years, shall receive his degree WITH HONOR.

Special students who have been in residence at least two years and who have completed their work in a satisfactory manner, shall receive a certificate stating the facts, and signed by the President of the University.

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*Forms of application for these privileges are provided and must be obtained from the Registrar.

Committees and Advisers

Standing Committees. The Board of Collegiate Studies appoints four standing committees:

1. The Executive Committee, which has charge of such matters pertaining to discipline and general administration as may be delegated to it by the Board of Collegiate Studies.
2. The Committee on Admission and Advanced Standing.
3. The Committee on Scholarships and Honors.
4. The Committee on Assignment of Advisers.

The Dean of the College Faculty is *ex officio* a member of each of these.

Advisers. When an undergraduate student is admitted to the university, he is assigned to an Adviser by the standing committee charged with this duty, and he will, under ordinary circumstances, remain under the direction of the same Adviser during his whole course. The approval of the Adviser is necessary before the student can enter upon any course of study; no instructor will receive into a class a student who does not bring with him (in a book provided for that purpose) assurance that his Adviser approves his pursuing the study at that time; and no student is allowed, without the consent of his Adviser, to discontinue any work. Each Adviser endeavors to establish relations of friendliness and confidence with the students assigned to his care; he not only gives counsel in regard to the selection of studies, but promotes the welfare of his students in every practicable way.

Requirements for Admission

Those who wish to pursue undergraduate courses in the university should apply to the registrar for a blank form of "Application for Admission," which must be filled up and returned to the registrar one week at least before the time set for the entrance examinations. These examinations are held at the university in June and September of each year.

To accommodate those who wish to take their examinations elsewhere, the university will accept certificates from the College Entrance Examination Board for subjects passed in accordance with its regulations. (See page 242.)

Applicants for Matriculation

Those who wish to become candidates for the degree of Bachelor of Arts must present the following certified statements:

1. A statement of the successful completion of courses in Arithmetic, Political Geography, Freehand Drawing, and either Physical Geography or a science such as Botany, Chemistry, Physics. The course in science must include laboratory work on the part of the student. Those who have not had satisfactory instruction in Drawing will be required to pursue the course offered by the university.

2. A statement in regard to the several languages required for matriculation. This should give the following information: (*a*) the authors read, (*b*) the extent of reading in each, (*c*) the length of time devoted to each subject and the number of exercises weekly.

Blank spaces for these certified statements will be found in the form of "Application for Admission" referred to above, and these should be filled up and signed by the

head of the school or by the teacher, under whom the applicant has prepared for college.

If these statements are satisfactory, the applicant will be admitted to the matriculation examinations; if they are unsatisfactory, the Committee on Admission will prescribe such conditions as may be necessary.

A candidate admitted to the examination is expected to pass in the following subjects:

English.	Latin.	Greek or French and German.
History.	Mathematics.	

Details of the requirements in these subjects will be found below.

Division of the Matriculation Examinations

The applicant may pass a part of the examinations one year before his admission to the university and receive credit, under the following conditions:

In his application *he must distinctly declare his intention to divide the examinations.* The subjects passed will not count towards matriculation unless the applicant offers the remaining subjects within the ensuing year. The first part of the divided examination will be confined to the following subjects, of which the applicant will be expected to pass in the first three at least:

English (*a*).	French or German.
Algebra (*a*).	History of the United States or of Greece.
Plane Geometry.	History of England or of Rome.
Greek (*a*).	
Latin (*a*).	

Requirements for Matriculation

1. Mathematics.—Algebra; Plane Geometry; Plane Trigonometry.

The requirements in Algebra are as follows:

(*a*). To Quadratics, including the four fundamental rules the use of parentheses, factoring, highest common factor, lowest common multiple, complex fractions, equations of the first degree in one or more unknown quantities, and problems leading to such equations, inequalities, radicals, and the use of fractional and negative exponents.

(*b*). Quadratics and beyond, including quadratic equations in one and two unknown quantities, and problems leading to such equations, the theory of quadratic equations in one unknown quantity, ratio and proportion, the progressions, the elementary treatment of permutations and combinations, the binomial theorem for positive integral exponents, and the use of logarithms.

The subjects required in Plane Geometry and in Trigonometry are those treated in the ordinary text-books.

2. English.—The examination consists of two parts:

a. Reading. The candidate will be required to write a paragraph or two on each of several topics chosen by him from a considerable number—perhaps ten or fifteen—set before him in the examination paper. These topics are selected with reference to certain books, a list of which is given below. This part of the examination is designed, primarily, to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. As additional evidence of preparation, the candidate may present an exercise book, properly certified by his instructor, containing compositions or other written work.

The books prescribed for this part of the examination are:

In 1908: Shakespeare's *The Merchant of Venice* and *Macbeth; The Sir Roger de Coverley Papers* in *The Spectator;* Irving's *Life of Goldsmith;* Coleridge's *The Ancient Mariner;* Scott's *The Lady of the Lake* and *Ivanhoe;* Tennyson's *Gareth and Lynette, Lancelot and Elaine,* and *The Passing of Arthur;* Lowell's *The Vision of Sir Launfal;* George Eliot's *Silas Marner.*

In 1909 and 1910: Group I (*two* to be selected).

Shakespeare's *As You Like It, Henry V, Julius Caesar, The Merchant of Venice, Twelfth Night.*

Group II (*one* to be selected).

Bacon's *Essays;* Bunyan's *The Pilgrim's Progress, Part I; The Sir Roger de Coverley Papers* in *The Spectator;* Franklin's *Autobiography.*

Group III (*one* to be selected).

Chaucer's *Prologue;* Spenser's *Faerie Queene* (selections); Pope's *The Rape of the Lock;* Goldsmith's *The Deserted Village;* Palgrave's *Golden Treasury* (First Series), Books II and III, with especial attention to Dryden, Collins, Gray, Cowper, and Burns.

Group IV (*two* to be selected).

Goldsmith's *The Vicar of Wakefield;* Scott's *Ivanhoe;* Scott's *Quentin Durward;* Hawthorne's *The House of the Seven Gables;* Thackeray's *Henry Esmond;* Mrs. Gaskell's *Cranford;* Dickens' *A Tale of Two Cities;* George Eliot's *Silas Marner;* Blackmore's *Lorna Doone.*

Group V (*two* to be selected).

Irving's *Sketch Book;* Lamb's *Essays of Elia;* De Quincey's *Joan of Arc* and *The English Mail Coach;* Carlyle's *Heroes and Hero Worship;* Emerson's *Essays* (selected); Ruskin's *Sesame and Lilies.*

Group VI (*two* to be selected).

Coleridge's *The Ancient Mariner;* Scott's *The Lady of the Lake;* Byron's *Mazeppa* and *The Prisoner of Chillon;* Palgrave's *Golden Treasury* (First Series), Book IV, with special attention to Wordsworth, Keats, and Shelley; Macaulay's *Lays of Ancient Rome;* Poe's *Poems;* Lowell's *The*

Vision of Sir Launfal; Arnold's *Sohrab and Rustum;* Longfellow's *The Courtship of Miles Standish;* Tennyson's *Gareth and Lynette, Lancelot and Elaine, and The Passing of Arthur;* Browning's *Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Evelyn Hope, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, The Boy and the Angel, One Word More, Hervé Riel, Pheidippidus.*

b. Study and Practice. This part of the examination presupposes the careful study of each of the works named below. The examination will be upon subject-matter, form and structure, and will also test the candidate's ability to express his knowledge with clearness and accuracy.

The books set for this part of the examination are:

In 1908: Shakespeare's *Julius Caesar;* Milton's *L'Allegro, Il Penseroso, Comus,* and *Lycidas;* Burke's *Speech on Conciliation with America;* Macaulay's *Essay on Addison* and *Life of Johnson.*

In 1909 and 1910: Shakespeare's *Macbeth;* Milton's *L'Allegro, Il Penseroso, Comus,* and *Lycidas;* Burke's *Speech on Conciliation with America,* or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration;* Macaulay's *Life of Johnson,* or Carlyle's *Essay on Burns.*

In connection with the reading and study of the required books, parallel or subsidiary reading should be encouraged, and a considerable amount of English poetry should be memorized. The essentials of English grammar should not be neglected in preparatory study.

No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom or division into paragraphs.

Although candidates will be permitted to take the entire examination of the time of entrance, it is strongly recommended that Part *a* be taken as a preliminary examination and Part *b* as a final examination. Candidates will thus have an opportunity to make up deficiencies which may be discovered at the preliminary examination, and to enter the university without a condition in English.

3 HISTORY.—The outlines of the History of England and the United States, or of the History of Greece and Rome, and the outlines of the geography of these countries.

4. LATIN.—A systematic course of instruction extending over four school years at least is presupposed. The applicant should have read the following texts:

Nepos and Cæsar, at least 100 pages.*
Cicero's Orations, at least 100 pages.*
Ovid and Vergil, at least 6000 verses.

The examination includes three elements:

(*a*) Latin Grammar (both forms and syntax), based on Cæsar, *Gallic War,* Book I, and Cicero, *Orations against Catiline,* I, II, and III.

(*b*) Translation into English of Latin prose and verse, together with questions suggested by the text, including questions on prosody. A part of the translation will be at sight, and, in all translations, simple, idiomatic English will be required.

(*c*) Translation into Latin of a passage of easy connected English prose.

In case the examination is divided, as provided for on page 237, (*a*) should be offered at the preliminary examination.

*The standard page is that of the Teubner texts.

5. GREEK.—A systematic course of instruction extending over three school years at least is presupposed. The applicant should have read the following texts:

Xenophon, *Anabasis*, at least four books.
Homer, *Iliad*, at least four books, or *Odyssey*, at least six books.

The examination includes three elements:

(*a*) Greek Grammar (both forms and syntax), based largely on Xenophon, *Anabasis*, Books I and II.

(*b*) Translation into English of Attic prose and of Homer, together with questions suggested by the text, including questions on Homeric life and the prosody of the Homeric poems. A part of the translation will be at sight, and in all translations simple, idiomatic English will be required.

(*c*) Translation into Greek (with accents) of a passage of easy connected English prose.

In case the examination is divided as provided for on page 237, (*a*) should be offered at the preliminary examination.

Applicants not offering Greek must meet the following requirements in French and German:—

6. FRENCH.—The requirement in French presupposes a systematic course extending over at least two school years, at the end of which time the student should be able to pronounce French accurately, to read at sight easy French prose, to put into French simple English sentences taken from the language of every-day life or based upon a portion of the French text read, and to answer questions on the rudiments of French grammar. The examination, which may not be divided, comprises.

(*a*) Questions on the elements of French grammar, including the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions; the order of words in the sentence; and the elementary rules of syntax.

(*b*) The translation into French of short sentences illustrative of the rules of grammar and of a short paragraph based on a French text given. In place of the translation of this paragraph the candidate may substitute an original exercise in French on a subject set by the examiner.

(*c*) The translation, at sight, of easy French prose.

(*d*) An oral exercise in pronunciation.

The candidate should have read from 400 to 500 pages of French prose taken from a standard reader and from the texts edited for elementary use, as listed by the leading publishers; especially those of the works of About, Bruno, Dumas, Erckmann-Chatrian, Halévy, Laboulaye, Labiche and Martin, Malot, Sand, and Verne. Grammars recommended are Fraser and Squair's Part I, Thieme and Effinger's, Longman's, and Perry and Reums' French Book.

7. GERMAN.—The requirements in German presupposes at least two years of school work under approved methods, with four recitations weekly, and the reading of a minimum of 300 pages of easy dialogue and narrative prose.

Candidates are expected to give particular attention to pronunciation, to the acquisition of an elementary German vocabulary, and to an accurate knowledge of the rudiments of German grammar, in quantity corresponding to Vos's *Essentials of German*.

The examination, which may not be divided, comprises:

(*a*) Translation at sight of passages of simple dialogue and narrative prose. Help will be given on unusual words and constructions.

(*b*) Questions on grammatical forms and syntax. These will, as a rule, be based upon the passages assigned for translation.

(*c*) Translation into German of easy English from the language of every-day life. In addition, a brief rendering of English into German, based on the passages described under (*a*), may be required.

Selections may be made from such texts as the following:

Baumbach, *Sommermärchen*, *Der Schwiegersohn*. Benedix, *Eigensinn*, *Der Prozess*. Gerstäcker, *Germelshausen*, *Irrfahrten*. Hauff, *Das kalte Herz*. Heyse, *L'Arrabbiata*. Riehl, *Burg Neideck*. Saar, *Die Steinklopfer*. Seidel, *Leberecht Hühnchen*. Stifter, *Das Haidedorf*. Storm, *Immensee*, *In St. Jürgen*. Sudermann, *Teja*. Wildenbruch, *Das edle Blut*, *Der Letzte*.

Applicants for Advanced Standing

A student may be admitted to advanced standing at entrance by passing the necessary examinations. Forms of application for this privilege and all necessary information may be obtained from the Registrar. Under ordinary circumstances a student will not be allowed to anticipate at entrance more than two courses.

A student entering from another college of good standing may be credited with work done there, provided he submits certificates satisfactory to the Committee on Admission and Advanced Standing.

Special Students

The university is ready to receive as special students those who are qualified by age, character, attainments, and habits of study, to attend its classes and lectures with profit to themselves and the institution. Such persons may be admitted, without matriculation, to a limited number of undergraduate courses; but the privilege once accorded will be forfeited if the student is found unworthy of it.

The requirements for admission as a special student are that the applicant shall pass such examinations, and shall present such other evidence of fitness to pursue the desired courses, as may in each case be required by the Committee on Admission. Unless excused for some definite reason, the applicant will be required to satisfy the matriculation requirements in English, in French or German, and in either Latin or Mathematics. In the past, many excellent students have been thus enrolled, among whom not a few have subsequently changed their plans, passed the matriculation examinations, and at length received the degree of Bachelor of Arts.

College Entrance Examination Board

The College Entrance Examination Board holds examinations at numerous places in the country about the third week of June in each year, information in regard to which may be obtained by addressing The College Entrance Examination Board, Post Office Sub-Station 84, New York.

These examinations, if passed with a mark of not less than 60%, will be accepted for admission, in accordance with the following scheme of equivalents.

THE JOHNS HOPKINS UNIVERSITY	COLLEGE ENTRANCE EXAMINATION BOARD
Algebra *a*.	Mathematics *a*, *i*.
Algebra *b*.	Mathematics *a*, *ii*.
Plane Geometry.	Mathematics *c*.
Plane Trigonometry.	Mathematics *d*.
Latin *a*.	Latin *a*, *b*, *m*.
Latin *b* and *c*.	Latin *c*, *d*, *e*, *p* and *q*.
Greek *a*.	Greek *a*, *b*.
Greek *b* and *c*.	Greek *c*, *f*, *g* and *h*.
French.	Elementary Requirement.
German.	Elementary Requirement.
English *a*.	English *a*.
English *b*.	English *b*.
History of Greece and Rome.	History *a*.
History of England and the United States.	History *c*, *d*.

II. FACULTY OF MEDICINE

Terms of Admission

The courses in medicine given in this university are planned for the professional education of those students who have been especially fitted to receive instruction by a course of preliminary training in the liberal arts, and especially in those branches of science, like physics, chemistry, and biology, which underlie the medical sciences. Men and women are admitted upon the same terms.

The following classes of students are received as candidates for the degree of Doctor of Medicine:

1. Those who have completed the chemical-biological course in this university (Group V) leading to the degree of Bachelor of Arts.

2. Graduates of approved colleges or scientific schools who can furnish evidence: (*a*) That they have acquaintance with Latin and a reading knowledge of French and German; (*b*) That they have such knowledge of physics, chemistry, and biology as may be obtained by a year's course in these subjects when accompanied by laboratory work.

In biology the candidate, in addition to lectures and recitations, should have followed for at least a year a laboratory course of six or more hours a week in the structure, life-history, and vital activities of selected types of animal and vegetable life. Courses in botany or zoology will be accepted, provided the laboratory work has been adequate. It is desirable also that candidates should have taken a laboratory course in embryology.

The candidate should have followed a course in general chemistry for at least a year. This course should include laboratory work, about five hours a week through the year, and lectures and class-room work covering the outlines of inorganic chemistry and the elements of organic chemistry. A good knowledge of the subject as presented in Remsen's "Introduction to the Study of Chemistry" may be regarded as the minimum requirement. A fuller knowledge of chemistry is desirable.

In physics, the candidate should have followed a collegiate course for at least one year. This should include four hours a week of class-room work and at least one afternoon a week of

quantitative work in the laboratory. Special attention should be given to theoretical mechanics and to the mechanical and electrical experiments.

In Latin the candidate should have studied Latin grammar and should possess at least such knowledge of the language as may be acquired by reading four books of Cæsar or their equivalent.

3. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school, and the knowledge of French, German, Latin, physics, chemistry, and biology above indicated.

Applicants for admission will receive blanks to be filled out relating to their previous courses of study. They are required to furnish certificates from officers of the colleges or scientific schools in which they have studied, as to the courses pursued in physics, chemistry, and biology. If the certificates are satisfactory, no examination in these subjects will be required from those who possess a degree in arts or in science from an approved college or scientific school.

Hearers and special workers, not candidates for a degree, will be received at the discretion of the Faculty.

ADMISSION TO ADVANCED STANDING

Applicants for admission to advanced standing must furnish evidence (1) that the foregoing terms of admission as regards preliminary training have been fulfilled, (2) that courses equivalent in kind and amount to those given here preceding that year of the course for admission to which application is made, have been satisfactorily completed, and, (3) must pass examinations, at the beginning of the session in October, in all the subjects that have been already pursued by the class to which admission is sought. Certificates of standing elsewhere cannot be accepted in place of these examinations.

General Plan of Instruction

The course of instruction is planned for those who have received a liberal education and the training in physics, chemistry, and general biology which has been specified. The required period of study for the degree of Doctor of Medicine is four years. The academic year begins on the first of October and ends about the middle of June. There are short recesses at Christmas and Easter.

The first two years of the course are devoted mainly to the fundamental medical sciences, a large part of the time being spent in practical work in the laboratories. In the last two years, medicine, surgery, obstetrics, and the various specialties are studied in the clinical laboratories, the dispensary, and the wards of the hospital.

The principal studies of the first year are anatomy, including normal histology and embryology, physiology, and physiological chemistry. The study of anatomy and physiology is continued in the second year. During the second year general pathology, pathological anatomy, and pharmacology are studied. A practical course in bacteriology, with the chief emphasis upon its hygienic and pathological bearings, is given during three months of this year.

Upon the basis of thorough training in the medical sciences, pursued during the first two years of the course, the student should be well fitted to undertake the study of practical medicine and surgery.

During the third year the general principles of medicine, surgery, obstetrics, and gynecology are studied, and clinical instruction is given in these subjects and in nervous diseases. The study of certain special branches of medicine is also begun. Leading features of the work of this year are the courses in the clinical laboratories and practical work in the dispensary.

During the fourth year the practical study of medicine and surgery is continued, and instruction is given in the various special branches of medicine and surgery, viz.:

dermatology, genito-urinary diseases, orthopedic surgery, laryngology and rhinology, ophthalmology and otology, pediatrics, and psychiatry. In this year the students serve as clinical clerks and surgical dressers in the wards of the hospital and are in daily attendance at special classes in the dispensary. They also have an opportunity to take various elective courses which are described specifically in the catalogue of the medical department. For the ward and dispensary work the class is divided into small groups.

Instruction in hygiene, medical zoology, forensic medicine, and medical history is provided during the course.

Work in the dissecting room, in the laboratory, and at the bedside, demonstrations, clinics, lectures, and recitations are the main features of the methods of instruction. Simple didactic lectures occupy a subsidiary position, as compared with instruction by recitations and demonstrations and especially by practical work in the various laboratories, in the hospital wards, and in the dispensary. In consequence of the high standard of admission, the classes are not likely to be excessively large, and abundant opportunity is therefore afforded for practical work for each student and for personal contact between teacher and student.

Courses for Graduates in Medicine

Courses of instruction for graduates in medicine are given throughout the year. These courses are in Anatomy, Histology and Organology, Pathology, Bacteriology, Pharmacology, and Toxicology, Physiology, Neurology, Neurological Technique, Embryology, Physiological Chemistry, Clinical Microscopy, Medicine, Pediatrics, Obstetrics, Gynecological Pathology, Surgical Pathology, Operative Surgery, Orthopedic Surgery, Genito-Urinary Surgery, X-Ray Diagnosis and Therapeutics, Cystoscopy, and Ophthalmology and Otology. The instruction is intended to meet the requirements of practitioners of medicine, and

is almost wholly of a practical character. It includes laboratory courses, demonstrations, bedside teaching, and clinics in the wards, dispensary, amphitheatre, and operating rooms of the hospital.

Detailed statements as to the courses of instruction and other information are given in the annual Catalogue and Announcement, which will be sent upon application to the Registrar of the Medical Department.

THE JOHNSTON SCHOLARSHIPS

These scholarships, of which there are three, known as the Henry E. Johnston Scholarship, the James Buchanan Johnston Scholarship, and the Henry E. Johnston, Jr. Scholarship, were founded by Mrs. Harriet Lane Johnston, of Washington, formerly of Baltimore, in memory of her husband and her two sons. They are awarded annually by the Trustees on the recommendation of the Academic Council. The stipend of each scholarship is the income of thirty thousand dollars. They are offered primarily to young men who have given evidence of the power of independent research. The holders of the scholarships will be expected to devote themselves to study and research in their chosen subjects, though they may be required to do some teaching. Each one will be designated as "Holder of the ..... Johnston Scholarship."

REGULATIONS

Candidates for the Johnston Scholarships must make application, in writing, to the President of the Johns Hopkins University before the first of May. The applications must be accompanied by such evidence of the candidates' fitness as they may be able to present. The President will refer the papers to the Academic Council, by whom the nominations will be made to the Board of Trustees at their meeting in June.

Holders of the scholarships may not engage in teaching elsewhere.

The scholars will be appointed for one year, but, if their work should prove satisfactory, they will generally be reappointed.

FELLOWSHIPS

Fellowships by Courtesy

The Academic Council may, at their discretion, by special vote, enroll as Fellows by Courtesy—

(*a*) Gentlemen who are or who have been teachers in colleges and other like institutions, and who wish, for brief periods, to avail themselves of the opportunities here afforded for study and for the use of books and laboratories.

(*b*) Holders of fellowships in other colleges, during their residence here.

(*c*) Those who have been fellows of this university and desire to continue in residence.

Fellows by Courtesy will not be exempt from the payment of fees, except by a special vote.

University Fellowships

Twenty fellowships, each yielding five hundred dollars but not exempting the holder from the charges for tuition, are annually awarded.

The system of fellowships was instituted for the purpose of affording to young men of talent from any place an opportunity of continuing their studies in the Johns Hopkins University, while looking forward to positions as professors, teachers, and investigators, or to other literary and scientific vocations. The fellowships are given to young men who wish to follow systematically through the year the instructions of the teachers here engaged, and those who are appointed are expected to proceed to the degree of Doctor of Philosophy. The appointments are made not merely in recognition of good work already

done, but as aids and incentives to good work in the future; in other words, the fellowships are not so much honors and prizes bestowed for past achievements, as helps to further progress and stepping-stones to honorable intellectual careers. They are not offered to those who are definitely looking forward to the practice of any one of the three learned professions (though such persons are not formally excluded from the competition), but are bestowed almost exclusively on young men desirous of becoming teachers of science and literature, or of devoting their lives to special branches of learning which lie outside of the ordinary studies of the lawyer, the physician, and the minister.

Each candidate is expected to submit his college diploma or other certificate of proficiency from the institution where he has been taught, with recommendations from those who are qualified to speak of his character and attainments. But this is only introductory. He must also submit, orally or in writing, such evidence of his past success in study and of his plans for the future, together with such examples of his literary or scientific work, as will enable the professors to judge of his fitness for the post. The examination is, indeed, in a certain sense competitive, but not with uniform tests, nor by formal questions submitted to the candidates. First, the head of a given department considers, with such counsel as he may command, the applicant's record. The professors then collectively deliberate on the nominations made by individual members of their body. The list upon which they agree, with the reasons for it, is finally submitted by the President of the University to the Executive Committee, and by them to the Trustees for final registration and appointment. By all these precautions the highest results which were anticipated have been secured. A company of most promising students has been brought together, and their ability as teachers and scholars has been recognized

by the calls they have received to permanent and desirable posts in various parts of the country.

The number of applications for fellowships has hitherto been very large, and it may have happened that some candidates have failed of appointment who were really superior to those selected. But, if so, this has resulted from the fact that a considerable number of applicants have each year forwarded to the university merely testimonials from their instructors, without examples of their own work; and, in consequence, the professors, from want of adequate knowledge have possibly passed over candidates who may have been in the highest degree meritorious.

The applicants are notified of the result by means of a printed list of the successful candidates.

The absence of candidates from Baltimore has been no bar to their appointment, in cases where adequate evidence of their claims has been presented; but it is obvious, from the nature of the case, that graduate students residing in Baltimore must have better opportunities than others of making their powers known to the appointing board, and during the last few years the number of persons appointed, who had not previously been resident here, is very small.

REGULATIONS

1. The application must be made prior to May 1, in writing, addressed to the President of the University, and he will refer the papers to the Academic Council, by whom the nominations will be made to the Board of Trustees, at their meeting in June. There is no prescribed form of application.

2. The candidate must give evidence of a liberal education, such as the diploma of a college of good repute; of decided proclivity towards a special line of study, such as an example of some scientific or literary work already performed; and of upright character, such as a testimonial from some instructor.

3. The value of each fellowship is five hundred dollars. The holder is not exempt from the charges for tuition. In case of resignation, promotion, or removal from the fellowship, payments will be made for the time during which the office shall have been actually held.

4. Every holder of a fellowship will be expected to perform such duties as may be allotted to him in connection with his course of study, to act when called upon as an examiner or as moderator in the examination room, to give all his influence for

the promotion of scholarship and good order, and in general to co-operate in upholding the efficiency of the university, as circumstances may suggest. He must reside in Baltimore during the academic year.

5. He will be expected to devote his time to the prosecution of special studies (not professional), under the direction of the head of the department to which he belongs, and before the close of the year to give evidence of progress by the preparation of a thesis, the completion of a research, the delivery of a lecture, or by some other method.

6. He may give instruction, with the approval of the President, by lectures or otherwise, to persons connected with the university, but he may not engage in teaching elsewhere.

7. He may be reappointed at the end of the year, but only for exceptional reasons.

8. Usually not more than two fellows will be appointed in any department of study.

9. As these fellowships are awarded as honors, those who are disposed, for the benefit of others, or for any other reason, to waive the pecuniary emolument, may do so, and still have their names retained on the honor list.

Adam T. Bruce Fellowship

This fellowship was founded in 1887 by the mother of Adam T. Bruce, Ph. D., late fellow and instructor in this university, as a memorial of her son, and is awarded annually. It is bestowed by the appointing board upon the candidate whom they consider most likely to promote biological science, and especially animal morphology, by original research. The stipend is the income of the Adam T. Bruce Fellowship endowment of ten thousand dollars. Preference is given to those who have already held fellowships in the Johns Hopkins University.

The electors consist of the President of the University, the chief instructor in animal morphology, the chief instructor in animal physiology, and a non-resident member annually chosen by the resident electors.

Regulations

Candidates for the Bruce Fellowship must make application, in writing, to the President of the Johns Hopkins University before the first of May. They must forward to the President, at the same time, such evidence of their qualifications for appointment

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tion money is required from each student at the time of his enrolment. The caution money is repaid to the student when he leaves, if there are no charges against him. Special charges are made for breakage and for damage to apparatus.

Payment of bills may be made at the office of the Registrar in the Physiological Building, which is open from 9 a. m. to 5 p. m., or at the office of the Treasurer of the University, on North Howard Street, which is open daily from 9 a. m. to 4.15 p. m.

The fees required of graduates of medical colleges who desire to follow special courses in medicine, are stated in detail in the annual catalogue of the medical department.

Living Expenses

The university has no dormitories or other living accommodations. Students may find comfortable homes in the vicinity,—in boarding houses or with families. The price of board ranges from three dollars and a half a week upward, and rooms from one dollar and a half a week.

Lists of desirable places are kept by the Secretary of the university branch of the Young Men's Christian Association and by the Registrar of the medical department.

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1909

No. 5

THE

JOHNS HOPKINS UNIVERSITY CIRCULAR

REGISTER

OF

THE JOHNS HOPKINS UNIVERSITY

1908-09

BALTIMORE, MARYLAND

PUBLISHED BY THE UNIVERSITY

ISSUED MONTHLY FROM OCTOBER TO JULY

MAY, 1909

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THE JOHNS HOPKINS UNIVERSITY

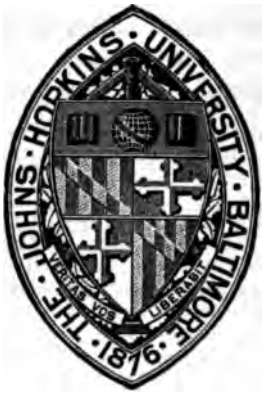
REGISTER

1908-09

WITH ANNOUNCEMENTS

FOR

1909-10



BALTIMORE
THE JOHNS HOPKINS PRESS
1909

CALENDAR, 1909-10

The University Examinations of Undergraduates begin Thursday, May 27, 1909, June 2, 1910.

Commencement Day falls on the second Tuesday in June,—June 8, 1909, June 14, 1910.

The first Examinations for Admission begin at 9 a. m., Tuesday, June 1, 1909, June 7, 1910.

The second Examinations begin at 9 a. m., Tuesday, September 28, 1909, September 27, 1910.

Undergraduates applying for Admission will meet the Dean, Monday, October 4, 1909, at 9 a. m.

The instruction of all classes begins on the first Tuesday in October,—October 5, 1909.

Thanksgiving Day falls on Thursday, November 25, 1909.

The Christmas Recess begins Thursday evening, December 23, 1909. Exercises will be resumed Monday morning, January 3, 1910.

Commemoration Day falls on Tuesday, February 22, 1910.

The Spring Recess begins Thursday morning, March 24, 1910, and closes Wednesday evening, March 30.

THE
JOHNS HOPKINS
UNIVERSITY CIRCULAR

New Series, 1909, No. 5 MAY, 1909 Whole Number, 216

HISTORICAL STATEMENT

The Johns Hopkins University was founded by a merchant of Baltimore, Johns Hopkins, who bequeathed the greater part of his estate for the establishment of a university and a hospital. The University was incorporated August 24, 1867, the certificate of incorporation reading as follows:

CERTIFICATE OF INCORPORATION

Know all men by these presents, that we, Thomas M. Smith, William Hopkins, Lewis N. Hopkins, John W. Garrett, Alan P. Smith, John Fonerden, George W. Dobbin, George M. Gill, Andrew Sterett Ridgely, Thomas Donaldson, James A. L. McClure and Charles J. M. Gwinn, being citizens of the United States of America, and of the State of Maryland, and being desirous to form a corporation for the purpose of organizing a "University" for the promotion of education in the State of Maryland, do hereby declare and certify that we do, by this instrument of writing, and by virtue of and under the provisions of an Act of the General Assembly of Maryland, passed at the January session thereof in the year eighteen hundred and sixty-seven, and being the Act of eighteen hundred and sixty-seven, chapter three hundred and seventy-nine, form a corporation, under the name of "The Johns Hopkins University," for the promotion of education in the State of Maryland, which shall be governed and controlled by twelve Trustees, who shall manage the concerns thereof, and which said twelve trustees shall be Francis T. King, Lewis N. Hopkins, Thomas M. Smith, William Hopkins, John Fonerden*, John W. Garrett, Francis White, Charles J. M. Gwinn,

*On the death of John Fonerden, James Carey Thomas was elected to fill the vacancy.

Galloway Cheston, George W. Dobbin, Reverdy Johnson, junior, and George William Brown, and which said University shall be located in Baltimore County, in the State of Maryland.

Witness our hands and seals, set hereto on this twenty-fourth day of August in the year eighteen hundred and sixty-seven.

THOMAS M. SMITH,	(SEAL)
WILLIAM HOPKINS,	(SEAL)
LEWIS N. HOPKINS,	(SEAL)
JOHN W. GARRETT,	(SEAL)
ALAN P. SMITH,	(SEAL)
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JAMES A. L. MCCLURE,	(SEAL)
CHARLES J. M. GWINN,	(SEAL)

Witness: ALLEN E. FORRESTER.

The following amendments to the charter have been enacted by the State Legislature.

I

AN ACT to grant certain additional powers to the "Johns Hopkins University," a corporation incorporated under the General Laws of Maryland.

Section 1. Be it enacted by the General Assembly of Maryland, That "The Johns Hopkins University," a corporation duly incorporated by certificate, recorded in the office of the Clerk of the Circuit Court for Baltimore County, shall have powers to establish branches of the said University in the City of Baltimore, to hold, or to purchase and hold, all property in said City, needed for the successful conducting of the branches of the said University in said City, and to keep and maintain a principal office in said City for the conduct of the business of the said University.

Section 2. And be it enacted, That the said "The Johns Hopkins University" shall have power to admit students of the said University, who shall merit the distinction, to the office and professon of Surgeon, or to the degree of Doctor of Medicine, or of Doctor of Laws, or of Bachelor or Master of Arts; to grant to students in such University, such certificates of proficiency and attainments in any special study as the said University may see proper to confer; and to grant the honorary degree of Doctor of Laws, Doctor of Medicine, and Master of Arts, or such other degrees as may be proper, to any person who may merit such distinction, whether such person be a student of such University or not.

Section 3. And be it enacted, That this Act shall take effect from its passage.

Approved March 22, 1876.

II

AN ACT to authorize the Trustees of the Johns Hopkins University, a corporation incorporated under the General Laws of Maryland, to make and constitute the President for the time being of its University and each of his successors in said office, during their respective terms thereof, a member ex-officio of the Board of Trustees of the Johns Hopkins University, in addition to the number of twelve Trustees of said University now authorized by law.

Section 1. Be it enacted by the General Assembly of Maryland, that the Trustees of the Johns Hopkins University, a corporation duly incorporated by certificate under the General Laws of Maryland, be and they are hereby authorized and empowered to make and constitute the President for the time being of the Johns Hopkins University and each of his successors in said office, during their respective terms thereof, a member ex-officio of said Board of Trustees in addition to the number of twelve Trustees of said University now authorized by law.

Section 2. And be it enacted that this Act shall take effect from the date of its passage.

Approved April 4, 1892.

As stated in the foregoing certificate, the corporate name of the institution is "The Johns Hopkins University."

The Board of Trustees organized June 13, 1870, and held their first business meeting February 6, 1874. The founder had died December 24, 1873, in the seventy-ninth year of his age,—having been born May 19, 1795. The election of a President of the University took place December 30, 1874, the choice falling upon Daniel Coit Gilman, at that time President of the University of California. President Gilman was inaugurated February 22, 1876, and instruction began October 3, following. The Johns Hopkins Hospital was dedicated May 7, 1889, and this paved the way for the opening of the medical school of the University four years later (October 1, 1893).

President Gilman resigned his office February 22, 1901, after a service of twenty-five years, and he was succeeded by Ira Remsen, Professor of Chemistry in the University,

whose election took place June 3, 1901. On the twenty-first and twenty-second of February, 1902, the University celebrated the completion of twenty-five years of work, and President Remsen was inaugurated.

The work of the University began in two houses at the corner of Howard and Little Ross Streets, in Hopkins Hall and a chemical laboratory on Little Ross Street,—the last two buildings having been erected by the Trustees. As the need arose, other buildings were constructed,—including a considerable addition to the chemical laboratory, a biological laboratory, a physical laboratory, a gymnasium, a home for the Young Men's Christian Association (the gift of Mr. Eugene Levering), and finally McCoy Hall, a large central building containing offices of administration, assembly room, the general library, and numerous smaller rooms for seminaries, department libraries, classes in languages, history, etc. The medical school is housed in several buildings in another section of the city, adjoining the Johns Hopkins Hospital.

The Hospital forms a part of the medical school of the University, in accordance with the expressed wish of the founder. It occupies a commanding site facing North Broadway. The buildings include a central structure chiefly devoted to administration, two large private wards, a considerable number of separate buildings containing the public wards, a large dispensary building, a surgical building and amphitheatre, a pathological institute, and a nurses' home. The Harriet Lane Home for Invalid Children, the Phipps Psychiatric Clinic, and the Phipps Dispensary for the Treatment of Tuberculosis are important adjuncts to the Hospital and are situated within its grounds.

At the time of President Remsen's inauguration, it was announced that a suburban site had been given to the University by Messrs. William Wyman, William Keyser,

Francis M. Jencks, Julian LeRoy White, and William H. Buckler, of Baltimore, and Samuel Keyser, of New York. This site comprised originally one hundred and seventy-six acres of land within the city limits, about two miles directly north of the Washington Monument. About fifty acres have been deeded to the city for a public park. The hope was expressed by the donors that the sum of one million dollars would be contributed by the friends of the University within a certain time, to be added to the permanent endowment funds of the University. This hope was realized July 1, 1902. The development of the new site is in progress. A botanical laboratory and greenhouse have been erected, and a fine athletic field is now in use by the students. A general scheme of arrangement of the future buildings has been accepted by the trustees, as the result of a competition by selected architects, and the plans of several of the most important structures are now in course of preparation. The funds required for these buildings have not yet been supplied, and, until that need is met, a removal is not possible.

The original endowment of the University amounted to somewhat over $3,000,000. This has been supplemented by several gifts, including the Endowment Fund of 1902 ($1,000,000), the John W. McCoy Fund ($235,000), the Women's Medical School Fund ($380,000), the Adoniram J. Robinson Fund ($42,000), the Herbert B. Adams Fund ($50,000), the Johnston Scholarship Fund ($90,000), the Donovan Fund ($100,000), and several others,—the income-bearing funds having a "book value" of over $4,500,000. The real estate and buildings are valued at $1,655,000, the books, scientific apparatus, and general equipment at $307,000. The assets of the University have thus a total value of more than $6,500,000.

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Ph. D., University of Freiburg (Baden), 1903; Instructor in Chemistry, University of Wisconsin, 1904-05. 227 W. Monument St.

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Charles J. Meyer

LECTURERS DURING THE YEAR 1908-09

Poetry

Professor RAMÓN MENÉNDEZ PIDAL, of the University of Madrid.
Eight public lectures on *Spanish Poetry*. [Percy Turnbull Memorial Foundation.]

History and Politics

Professor ABBOTT LAWRENCE LOWELL, LL. D., President (elect) of Harvard University.
Four public lectures on *Public Opinion and Popular Government*. [James Schouler Foundation.]

Architecture

C. HOWARD WALKER, Esq., of Boston.
Two public lectures on *Recent Developments of Architecture in America*. [J. B. Noel Wyatt Foundation.]

History

ERNEST FLAGG HENDERSON, PH. D., L. H. D., of Cambridge, Mass.
Six public lectures on *The French Revolution*. [Herbert B. Adams Foundation.]

History of Religions

Professor A. V. WILLIAMS JACKSON, PH. D., LL. D., of Columbia University.
Six public lectures on *The Religion of Persia*.

Political Economy.

FABIAN FRANKLIN, PH. D., LL. D. of Baltimore.
Twelve public lectures on *The Central Doctrines of Political Economy*.

Before Separate Departments of the University

English

Professor FELIX E. SCHELLING, PH. D., of the University of Pennsylvania.
Twelve lectures and conferences on *Shakespeare*.

Geology

Professor CLEVELAND ABBE, PH. D., LL. D., of the U. S. Weather Bureau.
Meteorology.

LOUIS A. BAUER, PH. D., Director of the Department of Terrestrial Magnetism, Carnegie Institution.
Terrestrial Magnetism.

SIMON NEWCOMB, PH. D., LL. D., D. C. L., *Professor Emeritus of Mathematics and Astronomy.* 1620 P St., Washington.

S. B., Harvard University, 1858; LL. D., Columbian University, 1874, Yale, 1875, Harvard, 1884, Columbia, 1887, Edinburgh, 1891, Cambridge, 1896, Glasgow, 1896, and Princeton, 1896; Ph. D. (Hon.), University of Leyden, 1875, and University of Heidelberg, 1886; Dr. Sc., University of Dublin, 1892, and University of Cracow, 1900; Dr. Nat. Phil., University of Padua, 1892; D. C. L., University of Cambridge, 1899; Dr. Math., University of Christiania, 1902; Senior Professor of Mathematics, U. S. Navy, and Superintendent of the American Ephemeris and Nautical Almanac, 1877-97; Associate, Royal Astronomical Society, 1872; Corresponding Member, Institute of France, 1874, and Foreign Associate, 1896; Foreign Member of the Royal Society of London and of the Reale Accademia dei Lincei, Rome; Member of the Academies in Berlin, St. Petersburg, Munich, Stockholm, Amsterdam, Vienna; Copley Medalist, Royal Society, London, 1890; Honorary Member, Royal Institution of Great Britain; Officer of the Legion of Honor of France; Professor of Mathematics and Astronomy, 1884-1900; Editor of the American Journal of Mathematics, 1884-94, and 1889-1900; Foreign Secretary, National Academy of Sciences, 1903.

EDWARD H. GRIFFIN, D. D., LL. D., *Professor of the History of Philosophy and Dean of the College Faculty.*

A. B., Williams College, 1862, and A. M., 1865; Union Theological Seminary, N. Y., 1867; D. D., Amherst College, 1880; LL. D., Princeton University, 1888, and Williams College, 1905; Professor of Latin in Williams College, 1872-81, Professor of Rhetoric, 1881-86, and Mark Hopkins Professor of Intellectual and Moral Philosophy, 1886-89; *Secretary of the Academic Council.*

1027 N. Calvert St.

WILLIAM OSLER, M. D., LL. D., D. C. L., F. R. S., *Honorary Professor of Medicine* Oxford, England.

M. D., McGill University, 1872; LL. D., McGill, 1895, Aberdeen, 1898, Toronto, 1899, Yale, 1901, Harvard, 1904, Johns Hopkins, 1905; D. C. L., Edinburgh, 1898, and Trinity University (Toronto), 1902; M. D. (Hon.), University of Oxford, 1905; Fellow of the Royal Society of London; Fellow of the Royal College of Physicians, London; Professor of the Institutes of Medicine, McGill University, 1874-84; Professor of Clinical Medicine, University of Pennsylvania, 1884-89; Dean of the Medical Faculty, 1898-99; Professor of the Principles and Practice of Medicine, 1889-1905; Physician-in-Chief, the Johns Hopkins Hospital, 1889-1905; Regius Professor of Medicine, University of Oxford.

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A. B., University of Michigan, 1863, M. D., 1866, A. M., 1870, and LL. D., 1895; Superintendent of the Eastern Michigan Hospital, 1878-89; Professor of Psychiatry, Johns Hopkins University, 1889-1906; *Editor of the Johns Hopkins Hospital Bulletin and of the Johns Hopkins Hospital Reports; Editor of the American Journal of Insanity; Superintendent of the Johns Hopkins Hospital.*

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A. B., University of Pennsylvania, 1877, M. D., 1882, and Associate Professor Obstetrics, 1888-89; LL. D., University of Aberdeen, 1906, Washington and University, 1906, University of Pennsylvania, 1907; Associate Foreign Member of the Society of Obstetrics, Gynecology and Pediatrics, and of the Chirurgical Society, Paris; Corresponding Member, Obstetrical Society, Leipsig; Fellow British Gynecological Society; Hon. Fellow of the Edinburgh Obstetrical Society, Glasgow Obstetrical and Gynecological Society, Royal Academy of Medicine (Ireland), Royal College of Surgeons, Edinburgh; Hon. Member of the Medical Society of Edinburgh and of the Italian Society of Obstetrics and Gynecology, Rome; Fellow of the American Gynecological Society; Gynecologist *in Chief to the Johns Hopkins Hospital.*

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M. D., University of Michigan, 1883, A. M. (Hon.), 1900, and Sc. D., 1906; LL. D., University of Wisconsin, 1904; Fellow, Johns Hopkins University, 1886-88, and Instructor in Pathology, 1888-89; Adjunct Professor of Vertebrate Anatomy, Clark University, 1889-92; Professor of Anatomy, University of Chicago, 1892-93; Member of the National Academy of Sciences; *Co-editor of the American Journal of Anatomy and of the Journal of Morphology.*

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A. B., Lafayette College, 1877; Fellow, Johns Hopkins University, 1880-1882, and Ph. D., 1882; LL. D., Wake Forest College, 1907; D. Litt., Lafayette College, 1907; Hon. Secretary for America (South and West) of the Early English Text Society; *Associate Editor of Modern Language Notes.*

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A. B., Johns Hopkins University, 1880, Fellow, 1882, and Ph. D., 1885; Professor of Mathematics (1886-89) and of Physics (1889-94), The School of Applied Science; Associate Professor of Physical Geology, University of Chicago, 1895-97.

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A. B., Washington and Lee University, 1908. *Philosophy and Psychology.*

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B. E., North Carolina Agricultural and Mechanical College, 1906. *Physics, Mathematics, and Physical Chemistry.*

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A. B., Mt. Morris College, 1908. *Greek, Latin, and Sanskrit.*

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A. B., Boston University, 1899, and S. T. B., 1902. *Spanish, French, and Italian.*

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S. B., Dartmouth College, 1906. *Chemistry.*

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A. B., Johns Hopkins University, 1908. *History and Philosophy.*

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A. B., Johns Hopkins University, 1907. *Geology.*

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A. B., Johns Hopkins University, 1906. *Botany.*

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A. B. and A. M., Franklin and Marshall College, 1898. *Chemistry.*

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A. B., Syracuse University, 1905, and A. M., 1906. *Latin, Greek and Classical Archaeology.*

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A. B., Laval University, 1900. *Physics, Physical Chemistry, and Electricity.*

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A. B., Mt. Holyoke College, 1904, and A. M., 1908. *Physiology.*

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S. B., Earlham College, 1895; Fellow, Johns Hopkins University, 1898-99, Ph. D., 1899, and Bruce Fellow, 1900-01; Director of Research, Fisheries Laboratory, Beaufort, N. C.; Shell Fish Commissioner for the State of Maryland.

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A. B., Randolph-Macon College, 1891; Fellow, Johns Hopkins University, 1899-1900, and Ph. D., 1901.

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Academy of Arts, Leipzig, 1885-90; Illustrator, University of Leipzig, until 1894.

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A. B., University of Toronto, 1886, A. M., 1890, and Fellow, University College, 1886-89; Fellow, Johns Hopkins University, 1890-91, and Ph. D., 1891; American School of Classical Studies in Rome, 1902-03; Professor of Latin in Colorado College, 1891-93; Instructor in Haverford College, 1893-94, and Professor of Latin, 1894-1907.

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S. B., University of Texas, 1896, Assistant, 1896-97, and M. S., 1897; Fellow, University of Chicago, 1898-1901, Assistant, 1901, and Ph. D., 1902; Associate Professor, University of Utah, 1901-04; Henry E. Johnston Scholar, 1904-06.

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A. B., Yale University, 1888, and A. M., 1890; Fellow, Johns Hopkins University, 1890-91, and Ph. D., 1891; LL. B., University of Maryland, 1894; Instructor in Williams College, 1891-92; Professor of Constitutional Law, Baltimore University, 1897-1900; Dean and Professor of Public Law, Baltimore Law School, 1900-04; Librarian, Enoch Pratt Free Library.

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A. B., Williams College, 1906. *Chemistry, Physical Chemistry, and Physics.*

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A. B., Wake Forest College, 1903. and A. M., 1907. *Chemistry, Physical Chemistry, and Mineralogy.*

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A. B., Randolph-Macon College, 1904. *Education and Philosophy.*

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A. B., Johns Hopkins University, 1908. *Political Science and Philosophy.*

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A. B., Washburn College, 1899; A. M., Marietta College, 1901. *Mathematics and Physics.*

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A. B., Hampden-Sidney College, 1894; Union Theological Seminary (Va.), 1898. *Semitic Languages.* *Howard and Monument Sts.*

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M. D., Trinity University (Toronto), 1895. 1315 N. Charles St.

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A. B., College of Charleston, 1906. *Latin, Greek, and Sanskrit.*

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A. B. and A. M., Randolph-Macon College, 1901. *French, Spanish, and Italian.*

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A. B., Western Maryland College, 1904; B. D., Drew Theological Seminary, 1907. *Semitic Languages.*

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A. B., Woman's College of Baltimore, 1907. *Philosophy.*

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A. B., Loyola College, 1907. *Chemistry and Physical Chemistry.*

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S. B., Richmond College, 1908. *Chemistry, Physical Chemistry, and Mineralogy.*

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A. B., Princeton University, 1900. *Geology, Mineralogy, and Physical Chemistry.*

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A. B., Baker University, 1906. *Mathematics and Astronomy,*

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A. B., Emory and Henry College, 1907. *Political Economy, Political Science, and History of Philosophy.*

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A. M., Central College (Mo.), 1887. *Egyptology, Coptic, and History of Philosophy.*

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A. B., Johns Hopkins University, 1908; LL. B., University of Maryland, 1905. *Political Science.* (112)

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S, B., Worcester Polytechnic Institute, 1890; Professor of Natural Sciences, State Normal School, Baltimore. *Psychology.*

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A. B., Wellesley College, 1890; A. M., University of Chicago, 1904. *Mathematics and Psychology.*

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Columbia and Cornell University (Summer Schools). *Educational Psychology, etc.*

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Educational Psychology.

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S. B., University of Wisconsin, 1906. *Chemistry.*

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A. B., Pennsylvania College, 1895; Gettysburg Theological Seminary, 1898. *Biology.*

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A. B., Pennsylvania College, 1891; Gettysburg Theological Seminary, 1894. *Political Economy.*

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A. B., Western Maryland College, 1897, and A. M., 1905. *Psychology.*

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A. B., Harvard University, 1901. *English.*

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Romance Languages.

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A. B., Johns Hopkins University, 1908. *German.*

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Royal Female Teachers' Seminary, Droyssig, Germany, 1881; Cornell University. *Educational Psychology.*

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A. B., Johns Hopkins University, 1906. *Romance Languages.*

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A. B., Trinity College (Conn.), 1905. *Educational Psychology, etc.*

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Harvard University (Summer School, 1907). *Psychology and Anglo-Saxon.*

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M. D., Baltimore Medical College, 1906. *English.*

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A. B., Johns Hopkins University, 1897. *Educational Psychology.*

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A. B., Geneva College, 1885, and A. M., 1888. *Sanskrit.*

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A. B., University of Iowa, 1905.

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A. B., Yale University, 1905.

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A. B., Lehigh University, 1905.

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A. B., University of Georgia, 1904.

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A. B., University of Kansas, 1905, and Medical Department, 1905-1906.

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S. B., University of Chicago, 1903, and Ph. D., 1906.

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S. B., Washington and Jefferson College, 1905.

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S. B., Princeton University, 1905.

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A. B., University of Kansas, 1904.

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A. B., Williams College, 1905.

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S. B., Wesleyan University (Conn.), 1902 and M. S., 1905.

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S. B., Central University (Ky.), 1905.

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ELMIRA ISABEL BARDEN. Gage, N. Y. 104 *Jackson Pl.*
A. B., Mt. Holyoke College, 1906.

JOHN VAN DOREN BEDINGER. Anchorage, Ky. 604 *Lennox St.*
B. S., Princeton University, 1907.

WALTER SCOTT BENNETT. Glens Falls, N. Y. 1632 *Jefferson St.*
A. B., Colgate University, 1904.

WILLIAM EDWIN BIRD, JR. Baltimore. 412 *E. Randall St.*
A. B., Johns Hopkins University, 1907.

ARTHUR LEONARD BLOOMFIELD. Baltimore. 861 *Park Av.*
A. B., Johns Hopkins University, 1907.

JOHN ROCHESTER BOOTH. Petersburg, Va. 1016 *N. Broadway.*
A. B., Randolph-Macon College, 1907.

GEORGE EDWARD BROCKWAY, JR. Salem, N. Y. 1701 *N. Caroline St.*
A. B., Williams College, 1907; Summer Session, Cornell Univ., 1907.

BARNEY BROOKS. El Paso, Texas. 125 *Jackson Pl.*
B. S., University of Texas, 1905.

JAMES WHITE BRUCE. Louisville, Ky. 1623 *N. Broadway.*
A. B., Yale University, 1907.

EARLE BUELL CARTER. Waterbury, Ct. 2624 *E. Monument St.*
Ph. B., Yale University, 1907.

JOSEPH DAVID COHN. Corpus Christi, Texas. 1032 *N. Broadway.*
A. B., University of Texas, 1907.

JOHN COLLINSON, JR. South River. 716 *N. Broadway.*
A. B., St. John's College, 1907.

JOHN ARCHIBALD CAMPBELL COLSTON. Baltimore. 1016 *St. Paul St.*
Ph. B., Yale University, 1907.

GEORGE WASHINGTON COX. Litchfield, Ill. 1706 *E. Monument St.*
B. S., University of Chicago, 1907.

WILLIAM BRAWNER HETFIELD. Brookland, D. C. 140 *Jackson Pl.*
A. B., Catholic University of America, 1907.

FRANK MAHLON HOLCOMBE. Keeseville, N. Y. 2624 *E. Monument St.*
A. B., University of Vermont, 1907.

CHARLES ELAM HOPE. Oak Ridge, La. 420 *N. Broadway.*
B. S., Louisiana State University, 1907.

ANNA HUBERT. Seattle, Wash. 1705 *Fairmount Av.*
A. B., University of Washington, 1901, and A. M., 1904.

JOHN ATKINSON HUNNICUTT, JR. Athens, Ga. 1600 *N. Broadway.*
A. B., University of Georgia, 1907.

BARBARA HUNT. Bangor, Me. 104 *Jackson Pl.*
A. B., Vassar College, 1906; University of Maine, Summer School, 1907.

NANCY BLANCHE JENISON. Chicago, Ill. 720 *N. Broadway.*
A. B., Wells College, 1898; Graduate Student, Univ. of Chicago, 1907.

CHARLES CHAUNCEY WINSOR JUDD. Pittsburg, Pa. 110 *Jackson Pl.*
A. B., Kenyon College, 1907.

NORMAN MACDONNELL KEITH. Toronto, Can. 1711 *Fairmount Av.*
A. B., University of Toronto, 1908; Medical Department, Ibid, 1906-1908.

LLOYD WARREN KETRON. Bloomingdale, Tenn. 119 *N. Caroline St.*
A. B., Grant University, 1907.

TEDROW SYLVESTER KEYSER. Canal Dover, O. 1012 *N. Broadway.*
A. B., Wittenberg College, 1907.

BENJAMIN S. KLINE. Philadelphia, Pa. 1029 *N. Broadway.*
A. B., Swarthmore College, 1907.

HOWARD JAMES KNOTT. Walla Walla, Wash. 726 *N. Broadway.*
B. S., Whitman College, 1907.

LINDA BARTELS LANGE. New York, N. Y. 233 *W. Preston St.*
A. B., Bryn Mawr College, 1903.

WARREN EUGENE LEAPER. Green Bay, Wis. 1006 *N. Broadway.*
A. B., University of Wisconsin, 1908.

VEADER NEWTON LEONARD. New Haven, Ct., 120 *Jackson Pl.*
Ph. B., Yale University, 1907; Graduate Student, University of Freiburg, 1907-1908.

WILLIAM HENRY LICHT. Geneva, N. Y. 110 *Jackson Pl.*
B. S., Trinity College (Hartford), 1907.

HANS LISSER. San Francisco, Cal. 1016 *N. Broadway.*
A. B., University of California, 1907.

PHILIP MAXWELL CHAZAL. Charleston, S. C. 902 *St. Paul St.*

A. B., College of Charleston, 1906. *Chemistry, Physical Chemistry, and Mineralogy.*

WILLIAM MANSFIELD CLARK. Salisbury, Conn. 261 W. *Hoffman St.*

A. B., Williams College, 1907, and A. M., 1908. *Chemistry and Physical Chemistry.*

WALTER FIELDHOUSE CLARKE. Danville, Va. 1221 *Madison Av.*

A. B., Hampden-Sidney College, 1903. *Chemistry and Physical Chemistry.*

GEORGE BROWNLEE CLINKSCALES. Spartanburg, S. C.

S. B., Clemson College, 1902. *Physics, Electricity, and Mathematics.*
1125 *McCulloh St.*

CHARLES WYTHE COOKE. Front Royal, Va. 1309 *John St.*

A. B., Johns Hopkins University, 1908. *Geology.*

LUCIUS JUNIUS DESHA. Lexington, Va. 1122 *Madison Av.*

A. B., Washington and Lee University, 1906. *Chemistry, Physical Chemistry, and Mathematics.*

ERNEST POHL DOETSCH. Baltimore. 733 W. *Lombard St.*

A. B., Johns Hopkins University, 1907. *Chemistry and Physical Chemistry.*

ALBERT C. DUDLEY. Baltimore County. *Relay.*

Princeton Theological Seminary, 1907. *History.*

RICHARD GRENVILLE ELY. Frederick.

A. B., Amherst College, 1906; A. M., Yale University, 1907. *History and Political Economy.*

ARTHUR HOWARD ESTABROOK. Leicester, Mass. 261 W. *Hoffman St*

A. B., Clark University, 1905, and A. M., 1906. *Zoology, Botany, an— 4 Physiology.*

ROGERS HARRISON GALT, JR. Norfolk, Va. 918 *St. Paul* S— t.

A. B., Johns Hopkins University, 1907. *Physics.*

EUGENE EDWARD GILL. Baltimore. 630 *N. Carey* —St.

Ph. B., Dickinson College, 1897, and A. M., 1898. *Chemistry, Ph— ical Chemistry, and Mineralogy.*

JOHN L. GIPPRICH, S. J. Baltimore. *Loyola Col— ege.*

A. B., Loyola College, 1900. *Mathematics, Astronomy, and Physical C— hemistry.*

WILLIAM STUART GORTON. Baltimore. 2403 *Garris— Av.*

A. B., Johns Hopkins University, 1908. *Physics.*

CLARENCE PEMBROKE GOULD. Baltimore. 508 *E. Twenty-th— rd St.*

A. B., Johns Hopkins University, 1907. *History.*

GUSTAV GRÜNBAUM. Bucarest, Roumania. 1028 *N. E— taw St.*

University of Bucarest. *Romance Languages.*

J. SAM GUY. Fredericksburg, Va. 1019 *Mc— ulloh St.*

S. B., Davidson College, 1905, and A. M., 1906. *Chemistry* C— *hemistry and Physical*

MABEL SEAGRAVE. Seattle, Wash. 529 *N. Wolfe St.*
A. B., Wellesley College, 1905.

WALTER GRESHAM SEXTON. Marshfield, Wis. 1006 *N. Broadway.*
A. B., University of Wisconsin, 1908; Student of Medicine, Ibid, 1907-08.

PAUL ROTHROCK SIEBER. Gettysburg, Pa. 129 *Jackson Pl.*
A. B., Pennsylvania College, 1907.

WILLIAM KNEPPER SKILLING. Lonaconing. 306 *W. Lanvale St.*
A. B., Johns Hopkins University, 1906.

HELEN WILLISTON SMITH. South Wilton, Ct. 1732 *E. Fayette St.*
A. B., Bryn Mawr College, 1906.

ROY ROSS SNOWDEN. Washington, Pa. 1731 *N. Broadway.*
A. B., Washington and Jefferson College, 1907.

LEWIS CASS SPENCER. Jonesville, La. 125 *Jackson Pl.*
B. S., Tulane University, 1907.

MARSHALL BYRON SPONSLER. Collegeville, Pa. 1632 *Jefferson St.*
A. B., Ursinus College, 1907.

STEPHEN TREAT STANLEY. Norwalk, Ct. 1600 *N. Broadway.*
A. B., Williams College, 1907.

ALEXANDER MCCULLEY STEVENS. Easton. 410 *N. Broadway.*
A. B., St. John's College, 1907.

GEORGE ADOLPH STEWART. Baltimore. 2425 *Madison Av.*
A. B., Johns Hopkins University, 1907.

EDGAR STILLMAN. San Francisco, Cal. 246 *W. Lanvale St.*
A. B., Leland Stanford Jr. University, 1907.

THORNTON EDWIN VAIL. Thompsonville, Ct. 821 *N. Montford Av.*
Ph. B., Yale University, 1907.

ISIDORE KALISCH WIENER. Newark, N. J. 610 *N. Broadway.*
A. B., Princeton University, 1907.

EDWIN ROBERT WIESE. Allegheny, Pa. 1235 *N. Broadway.*
A. B., Western University of Pennsylvania, 1907.

CLAUD MAY WINN. Haynesville, La. 1814 *N. Broadway.*
S. B., Tulane University, 1906, and Student of Medicine, 1906-1907.

JULIAN MAST WOLFSOHN. San Francisco, Cal. 103 *Jackson Pl.*
B. S., University of California, 1905, and M. S., 1907.

MILTON THOMAS EDGERTON, JR. Oak Ridge, N. C. 305 *N. Broadway.*
A. B., University of Georgia, 1908.

MARY RANDOLPH FLEMING. Lynchburg, Va. 104 *Jackson Pl.*
M. A. Randolph-Macon College, 1902.

OVID CLEMMONS FOOTE. Roaring River, N. C. 1228 *N. Eden St.*
A. B., Wake Forest College, 1908.

MABEL FOSSLER. Lincoln, Neb. *Fairmount Av. and Ann St.*
A. B., University of Nebraska, 1907.

WINTER REGINALD FRANTZ. Cumberland. 1706 *N. Caroline St.*
B. S., West Virginia University, 1908.

JULIAN EUGENE GAMMON. Marianna, Fla. 410 *N. Broadway.*
B. S., University of Florida, 1908.

JAMES HEYWARD GIBBES. Columbus, S. C. 410 *N. Broadway.*
A. B. and B. S., University of South Carolina, 1908.

WILLIAM LEE GILLS. Bedford City, Va. 1016 *N. Broadway.*
A. B., Randolph-Macon College, 1905.

FREDERICK AKIN GLASS. Booneville, Ky. 422 *N. Broadway*
A. B., Central University (Ky.)

ERNEST WILLIAM GOODPASTURE. Nashville, Tenn. 541 *Luzerne St.*
A. B., Vanderbilt University, 1907.

ROSCOE WILLIS HALL. Millerstown, Pa. 318 *N. Broadway.*
Ph. B., Dickinson College, 1908.

WILLIAM ERNEST HARNED. Guthrie Center, Ia. 1505 *N. Caroline St.*
A. B., Cornell College (Iowa), 1907.

SAMUEL HAYMANN HURWITZ. Chicago, Ill. 610 *N. Broadway.*
A. B., Harvard University, 1907, and A. M., 1908.

CONRAD JACOBSON. Chicago, Ill. 610 *N. Broadway.*
B. S., Beloit College, 1900.

HELMINA JEIDELL. New York, N. Y. 1731 *Fairmount Av.*
A. B., Barnard College, 1908.

RUDOLPH ALFRED KOCHER. San Jose, Cal. 808 *E. Preston St.*
A. B., Leland Stanford Jr. University, 1908.

HENRY HOFMANN LOOS. Baltimore. 524 *N. Pine St.*
A. B., Johns Hopkins University, 1908.

WALTER GAY LOUGH. Morgantown, W. Va. 1513 *N. Broadway.*
B. S., University of West Virginia, 1908.

RACHEL LEAH LOVENSTEIN. Richmond, Va. 2361 *W. North Av.*
A. B. and A. M., Richmond College, 1907 and 1908.

CHARLES DWIGHT REID, JR. Auburn, N. Y. 1123 *N. Caroline St.*
A. B., Williams College, 1908.

MONT ROGERS REID. Oriskany, Va. 134 *Jackson Pl.*
A. B., Roanoke College, 1908.

HAROLD IRWIN REYNOLDS. Lexington, Ga. 143 *N. Broadway.*
A. B., University of Georgia, 1908.

THOMAS HINCKLEY ROBBINS. Baltimore. 1310 *N. Charles St.*
A. B., Harvard University, 1899; University of Paris, 1900.

MAX SPENCER ROHDÉ. Princeton, Ill. 529 *N. Wolfe St.*
B. S., University of Chicago, 1908.

FREDERICK WALKER ST. CLAIR. Latrobe, Pa. 541 *N. Luzerne St.*
A. B., Washington and Jefferson College, 1908.

HENRY CHRISTIAN SCHMEISSER. Baltimore. 2401 *Eutaw Pl.*
A. B., Johns Hopkins University, 1908.

NATHAN P. SEARS. Syracuse, N. Y. 1119 *N. Caroline St.*
Ph. B., Syracuse University, 1908.

REGINALD OLIVER SELLMAN. Baltimore. *The Mt. Royal.*
A. B., Johns Hopkins University, 1908.

ROLLA J. SHALE. Highland, Kan. 1022 *N. Broadway.*
A. B., Oberlin College, 1908.

ELLERY DEWITT SIMPSON. Westminster. 1020 *N. Broadway.*
A. B., Western Maryland College, 1908.

WARREN RICHARDS SISSON. Hamilton, N. Y. 1041 *N. Broadway.*
A. B., Colgate University, 1908.

HARRY RICHMOND SLACK, JR. La Grange, Ga. 1600 *N. Broadway.*
A. B., University of Georgia, 1908.

TRAMMELL STARR. Calhoun, Ga.
A. B., Emory College, 1908.

THORNTON STEARNS. Asheville, N. C. 140 *Jackson Pl.*
A. B., Davidson College, 1906.

HOLLAND NEWTON STEVENSON. Pittsfield, Mass. 112 *Jackson Pl.*
Ph. B., Yale University, 1908.

ABRAHAM STRAUSS. Lowell, Mass. 521 *N. Wolfe St.*
A. B., Harvard University, 1909.

DAVID CORBIN STREETT. Baltimore. 712 *Park Av.*
A. B., Johns Hopkins University, 1908.

ARTHUR L. WALTERS. Battle Ground, Ind. 1022 *N. Broadway.*
B. S., Purdue University, 1904.

PHYSICIANS ATTENDING SPECIAL COURSES, 1908-09

BENJAMIN F. ANDERSON. Montgomery, Ala.

M. D., University of Alabama, 1908. *Medicine.*

ELIZABETH E. ANDREWS. Cambridge, Mass. 3312 *Walbrook Av.*

Sargent Normal School, 1907. *Gross Anatomy.*

KENNETH H. AYNESWORTH. Waco, Texas.

M. D., University of Texas, 1890. *Genito-Urinary Diseases and Surgical Pathology.*

P. T. L. DE BLOEME. Leyden, Holland.

M. D., University of Leyden, 1903. *Medicine.*

ROBERT BOYER. Philadelphia, Pa. 505 *N. Wolfe St.*

M. D., Medico-Chirurgical College (Phila.), 1898. *Genito-Urinary Surgery.*

MARY B. CAMPBELL. Ridgetown, Ont.

M. B., University of Toronto, 1906. *Medicine.*

HARRY L. EMMETT. Font Hill, Ont. 1626 *N. Caroline St.*

M. B., Toronto University, 1908. *Medicine.*

HENRY OWEN EVERSOLE. Los Angeles, Cal. 420 *N. Broadway.*

M. D., University of Southern California, 1908. *Medicine.*

RIAD FANOUS. Cairo, Egypt.

M. D., College of Physicians and Surgeons (Balt.), 1907. *Medicine.*

HARRY GOLDBERG. Baltimore.

M. D., Maryland Medical College, 1907.

GEORGE S. GORDON. Baltimore.

M. D. C. M., McGill University, 1897. *Genito-Urinary Surgery.*

RALPH GRAHAM. Monmouth, Ill.

M. D., Rush Medical College, 1900. *Medicine.*

GERALD GRIFFIN. Albany, N. Y.

M. D., Albany Medical College, 1901. *Surgical Pathology.*

G. HERMAN HAMMERBACHER. Baltimore.

M. D., University of Maryland, 1904. *Surgical Pathology.*

CHARLES W. HUGHES. Baltimore. 206 *N. Payson St.*

M. D., Wisconsin College of Physicians and Surgeons, 1903. *Medicine.*

JOHN J. JONES. Wilmington, Del.

M. D., College of Physicians and Surgeons (Balt.), 1879. *Medicine.*

ROSAMOND LEACOCK. Toronto, Ont.

M. B., University of Toronto, 1908. *Medicine.*

BERTHA LEWIS. Philadelphia, Pa.

M. D., Woman's Medical College (Phila.), 1893. *Orthopedic Surgery.*

CAROLYN MARTIN. Baltimore. 2118 *E. Pratt St.*

M. D., Woman's Medical College (Balt.), 1908. *Medicine.*

JAMES B. MERRITT, 3RD. Easton. 1906 *E. Madison St.*

M. D., Baltimore Medical College, 1907. *Bacteriology.*

WILLIAM LEE NORRIS. Seattle, Wash. 2516 *N. Calvert St.*

M. D., Miami Medical College, 1895. *Genito-Urinary Surgery.*

LOAMI J. SMITH. Ridge Spring, S. C.

M. D., University of Maryland, 1903. *Medicine.*

B. HOLLY SMITH, JR. Baltimore. 1007 *Madison Av.*

A. B., Johns Hopkins University, 1906; D. D. S., Baltimore College of Dental Surgery, 1908. *Bacteriology.*

MARTIN N. STRAUGHN. Washington, D. C.

Ph. D., George Washington University, 1906. *Physiological Chemistry.*

SIMEON L. TAYLOR. Hoopeston, Ill. 1123 *N. Caroline St.*

M. D., University of Nebraska, 1908. *Medicine and Surgery.*

WILLIAM J. WALKER. Charleston, W. Va.

M. D., College of Physicians and Surgeons (Balt.), 1908. *Medicine and Surgery.*

CHARLES H. WALTER. San Jose, Cal. 642 *Clinton Av.*

M. D., Hahnemann Medical College (Phila.), 1894. *Medicine.*

JOHN WARREN. New York, N. Y.

M. D., College of Physicians and Surgeons (N. Y.), 1881. *Genito-Urinary Diseases and Dermatology.*

HOWARD M. WELSH. Leechburg, Pa. 1304 *N. Caroline St.*

M. D., Western University of Pennsylvania, 1902. *Medicine and Bacteriology.*

ROBERT A. WESTON. Des Moines, Ia.

M. D., Barnes Medical College, 1903. *Medicine and Genito-Urinary Surgery.*

HARRY A. WILLIAMS. Allenford, Ont. 1626 *N. Caroline St.*

M. B., Toronto University, 1908. *Medicine.*

EVELYN WINDSOR. St. John's, Quebec.

M. B., University of Toronto, 1908. *Medicine.*

PHYSICIANS ATTENDING SPECIAL COURSES DURING 1908

[Too late for the Register for 1907-08]

ROBERT B. ARMSTRONG. Papillion, Neb.

M. D., University of Nebraska, 1894. *Medicine.*

EDITH C. BELLAMY. Baltimore.

Gross Anatomy.

CHARLES G. BELL. Canton, Miss.

M. D., Vanderbilt University, 1903. *Medicine.*

THOMAS A. BERTRAM. Dundas, Ontario.

M. D., Queen's University, 1885. *Medicine.*

NORMAN S. BETTS. Philadelphia, Pa.

M. D., Hahnemann Medical College (Phila.), 1904. *Gynecological Pathology.*

PETER S. CLARK. Chicago, Ill.

M. D., Hahnemann Med. Coll. (Chicago), 1899. *Medicine and Pathology.*

CHARLES W. CLENDENIN. N. Tonawanda, N. Y.

M. D., Toronto University, 1890. *Medicine.*

FRANCIS H. COHAN. Leominster, Mass.

M. D., Bowdoin Medical College, 1901. *Operative Surgery and Medicine.*

THOMAS H. CUNNINGHAM. Glens Falls, N. Y.

M. D., Albany Medical College, 1900. *Surgical Pathology and Cystoscopy.*

ROBERT E. DAVISON. Pittsburg, Pa.

M. D., University of Pennsylvania, 1899. *Gross Anatomy and Surgical Pathology.*

CHRISTIAN DENCKER. Baltimore.

M. D., Rush Medical College, 1906. *Operative Surgery.*

WALTER P. DICKINSON. La Fayette, Ala.

M. D., University of Alabama, 1903. *Operative Surgery and Surgical Pathology.*

FRANCIS M. DUNN. Norwich, Conn.

M. D., Baltimore Medical College, 1908. *Surgical Pathology.*

WELLS P. EAGLETON. Newark, N. J.

M. D., P. & S., (New York), 1888. *Operative Surgery, Pathology and Surgical Pathology.*

ERNEST L. GARNER. Welland, Ont.

M. B., Toronto University, 1898. *Operative Surgery.*

WILLIAM T. GREENWOOD. St. Catherine's, Ont.

M. D., C. M., McGill Univ., 1904. *Operative Surgery.*

MARTIN F. SLOAN. Dallas, Texas.

M. D., Baylor University, 1907. *Medicine and Pathology.*

GEORGE A. SMITH. Troy, N. Y.

M. D., Albany Medical College, 1901. *Hygiene.*

CARL SCHURZ TOMPKINS. Randolph, N. Y.

M. D., University of Buffalo, 1901. *Medicine.*

CHARLES J. WAGNER. Dallas, Texas.

M. D., Southwestern University, 1908. *Medicine, Gross Anatomy and Pathology.*

CHARLES J. WAGNER. Toronto, Can.

M. D., Toronto University, 1899. *Medicine.*

ROSE W. WALDROP. Bessemer, Ala.

M. D., Louisville Medical College, 1896. *Operative Surgery.*

J. CALVIN WEAVER. Thomaston, Ga.

M. D., Tulane University, 1901. *Operative Surgery.*

CHARLES WHELAN. Birmingham, Ala.

M. D., University of Alabama, 1896. *Operative Surgery, Pathology and Clinical Microscopy.*

BYRD C. WILLIS, JR. Alexandria, Va.

Student, Medical College of Virginia. *Surgical Pathology.*

J. BUCKLER WINFIELD. Johnstown, W. Va.

M. D., University College of Medicine (Richmond), 1897. *Medicine.*

ORLANDO S. WOOD. Madison, Ga.

M. D., University of Georgia, 1907. *Medicine.*

JOHN C. WRIGHT. Augusta, Ga.

M. D., University of Georgia, 1908. *Genito-Urinary Surgery.*

WINFRED J. WRIGHT. Duncannon, Pa.

M. D., Medical-Chirurgical (Phila.), 1902. *Medicine and Pediatrics.*

UNDERGRADUATE STUDENTS

MATRICULATES

ROBERT AREL. Baltimore. *Charles St. (P. O. Sta. L.)*
Boys' Latin School. *Group V.* Professor Armstrong, *Adviser.*

HERMAN S. APPLEBAUM. Baltimore. 32 *N. Eden St.*
Baltimore City College. *Group V.* Professor Wilson, *Adviser.*

JAMES BAILY. Baltimore. 2125 *Maryland Av.*
Country School for Boys. *Group V.* Professor Brush, *Adviser.*

DONALD KNIPP BELT. Baltimore. 613 *Reservoir St.*
Baltimore City College. *Group V.* Professor Armstrong, *Adviser.*

BERTRAM BENEDICT. Baltimore. *The Marlborough.*
Baltimore City College. *Group III.* Professor C. M. Andrews, *Adviser.*

GEORGE WILLIAM BISHOP. Baltimore. 1424 *Nicholson St.*
Boys' Latin School. *Group V.* Professor E. A. Andrews, *Adviser.*

ISIDOR BLUM. Baltimore. 1816 *Madison Av.*
Baltimore City College. *Group III.* Professor Ogden, *Adviser.*

LINGURN BURKHEAD BOBBITT. Baltimore. 1010 *Mosher St.*
Baltimore City College. *Group I.* Professor Mustard, *Adviser.*

WILLIAM LUMSDON BOND. Baltimore County. *Station E.*
Boys' Latin School. *Group IV.* Professor Bliss, *Adviser.*

EDWARD VERE BREWER. Elyria, O. 1317 *Park Av.*
Adelbert College. *Group II.* Dr. Roulston, *Adviser.*

WILLIAM NORMAN BROWN. Baltimore 616 *Dolphin St.*
Hiram College. *Group I.* Dr. Roulston, *Adviser.*

NATHANIEL HAWLEY BRUSH. Baltimore County. *Towson.*
Boys' Latin Shool. *Group V.* Professor Ogden, *Adviser.*

LESLIE HEPBURN BUCKLER. Baltimore. *The Severn.*
Boys' Latin School. *Group II.* Professor Armstrong, *Adviser.*

HARRY CLARK BURGAN. Baltimore. 509 *New Boundary Av.*
Mr. Wolfe's School; LL. B., University of Maryland, 1905. *Group III.* Professor Vincent, *Adviser.*

SAMUEL CLAGGETT CHEW, JR. Baltimore.
Boys' Latin School. *Group II.* Professor Brush, *Adviser.*
3 *Midvale Road, Roland Park.*

MAURICE HENRY COBLENTZ. Baltimore. 410 *N. Calhoun St.*
Baltimore City College. *Group I.* Professor Mustard, *Adviser.*

HARRY NORMAN COLE. Richmond, Va. 1033 *N. Fulton Av.*
Baltimore City College. *Group III.* Professor Greene, *Adviser.*

GEORGE WASHINGTON CORNER, 3d. Baltimore Co. *Roland Park.*
Boys' Latin School. *Group V.* Professor Smith, *Adviser.*

JAMES JOHNSON CORNER, JR. Baltimore. 202 *E. Chase St.*
Country School for Boys. *Group III.* Professor Mustard, *Adviser.*

HARRY VAIL DEALE. Baltimore. 2114 *Maryland Av.*
Baltimore City College. *Group IV.* Dr. Gilpin, *Adviser.*

HARRY STANLEY DICKEY. Baltimore. 603 *Cathedral St.*
University School. *Group V.* Dr. Shaw, *Adviser.*

OTIS HERBERT DRAPER. Baltimore Co. *Brooklandville.*
St. John's College. *Group III.* Professor Barnett, *Adviser.*

JAMES W. EASTER. Baltimore Co. *Owings Mills.*
Boys' Latin School. *Group IV.* Professor Ames, *Adviser.*

EDWARD CARY EICHELBERGER. Baltimore. *Morris Av., Walbrook*
Jefferson School. *Group I.* Professor Mustard, *Adviser.*

DANIEL STANLEY ELLIOTT. Baltimore. 1427 *William St.*
Baltimore City College. *Group IV.* Dr. Coble, *Adviser.*

DANIEL LEPSON ENNIS. Baltimore Co.. *Morrell Park.*
The Deichmann School. *Group I.* Professor Spieker, *Adviser.*

ALLAN HERBERT FISHER. Baltimore. 926 *Newington Av.*
Baltimore City College. *Group III.* Professor Ballagh, *Adviser.*

EDWIN LOUIS FREDERICK. Baltimore County.
Baltimore City College. *Group V.* Dr. Gilpin, *Adviser.*
Rolling Rd., Catonsville.

SAMUEL FREDMAN. Baltimore. 2011 *McCulloh St.*
Baltimore City College. *Group I.* Professor Smith, *Adviser.*

HENRY WARREN FREY. York, Pa. 261 *W. Hoffman St.*
York High School. *Group II.* Dr. Roulston, *Adviser.*

RAYMOND FON DERSMITH GABLE. York, Pa. 2619 *St. Paul St.*
University of Pennsylvania. *Group II.* Professor Greene, *Adviser.*

GEORGE WILLIAM GAIL. Baltimore. *Pimlico Road.*
Jefferson School. *Group IV.* Dr. Coble, *Adviser.*

CALVIN HOOKER GODDARD. Baltimore. *The Albion.*
Boys' Latin School. *Group IV.* Dr. Coble, *Adviser.*

ARTHUR FEDDEMAN GORTON. Baltimore. 2403 *Garrison Av.*
Baltimore City College. *Group V.* Dr. Coble, *Adviser.*

ELMER LEWIS GREENSFELDER. Baltimore. 1811 *Eutaw Place.*
Baltimore City College. *Group V.* Dr. Gilpin, *Adviser.*

THEODORE GERHARD LÜRMAN, JR. Baltimore Co. 808 *St. Paul St.*
The Deichmann School. *Group V.* Professor Renouf, *Adviser.*

HERTEL PHILIP MAKEL. Baltimore. 411 *N. Luzerne St.*
Baltimore City College. *Group V.* Dr. Cowles, *Adviser.*

WICKLIFF ORNDORF MANGER. Baltimore. 1002 *Edmondson Av.*
The Deichmann School. *Group V.* Professor Greene, *Adviser.*

EDWARD DUFFIELD MARTIN. Baltimore. 900 *St. Paul St.*
University School. *Group III.* Professor Brush, *Adviser.*

WILLIAM HENNICK MARTIN. Baltimore. 740 *Dolphin St.*
Baltimore City College. *Group IV.* Dr. French, *Adviser.*

NORMAN CLYDE MARVEL. Talbot County. 728 *Dolphin St.*
The Deichmann School. *Group V.* Professor Swartz, *Adviser.*

SAMUEL SEYMOUR MERRICK. Baltimore. 824 *Park Av.*
Boys' Latin School. *Group III.* Dr. Roulston, *Adviser.*

ELLIS MILLER. Baltimore. 1641 *Pennsylvania Av.*
Baltimore City College. *Group V.* Dr. Shaw, *Adviser.*

HERBERT LEVY MOSES. Baltimore. 1827 *Eutaw Pl.*
Baltimore City College. *Group V.* Professor Mathews, *Adviser.*

RICHARD NICHOLAS MULLIKIN. Baltimore. 611 *W. North Av.*
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JOHN GARDNER MURRAY, JR. Baltimore. 1933 *St. Paul St.*
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The Deichmann School. *Group III.* Dr. French, *Adviser.*

ROBERT MILTON OVERBECK. Baltimore Co. *Govans.*
Baltimore City College. *Group IV.* Dr. Cowles, *Adviser.*

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Baltimore City College. *Group III.* Professor Ballagh, *Adviser.*

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Friends' School. *Group I.* Professor Spieker, *Adviser.*

FRANKLIN BURCHE PEDRICK. Washington, D. C. 136 *Richmond St.*
Washington High School. *Group V.* Professor Ogden, *Adviser.*

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BENJAMIN TAPPAN. Baltimore. 1419 *Bolton St.*
Jefferson School. *Group I.* Professor Smith, *Adviser.*

GEORGE PETER THOMAS. Baltimore. 1508 *Park Av.*
Boys' Latin School. *Group II.* Professor Marden, *Adviser.*

WILLIAM DONNELL TILGHMAN. Talbot County. 36 *W. Biddle St.*
The Deichmann School. *Group V.* Professor Ames, *Adviser.*

MARTILLUS H. TODD. Baltimore. 1202 *E. Monument St.*
Baltimore City College. *Group V.* Professor Greene, *Adviser.*

GABRIEL H. TODES. Baltimore. 2304 *Callow Av.*
Baltimore City College. *Group III.* Professor Miller, *Adviser.*

GEORGE ROSS VEAZEY. Baltimore. 2907 *St. Paul St.*
Country School for Boys. *Group I.* Professor Spieker, *Adviser.*

AUGUST VOGELER. Baltimore Co. *Catonsville.*
Mr. Wolfe's School. *Group III.* Professor Smith, *Adviser.*

CHARLES LUTHER WARNER. Baltimore. *Forest Park.*
Baltimore City College. *Group V.* Dr. Cowles, *Adviser.*

DUDLEY RUSSELL WEBB, JR. Baltimore. 1741 *Park Av.*
The Deichmann School. *Group III.* Professor C. M. Andrews, *Adviser.*

BENJAMIN FRANCIS WEEMS, JR. Houston, Tex. 1221 *Madison Av.*
Houston High School. *Group V.* Professor Greene, *Adviser.*

WILLIAM OSWALD WEYFORTH, JR. Baltimore. 2329 *Linden Av.*
Baltimore City College. *Group III.* Professor Barnett, *Adviser.*

FRANKLIN PIERCE WHITCRAFT, JR. Baltimore. 1302 *W. Lexington St*
Baltimore City College. *Group III.* Professor Ballagh, *Adviser.*

EDWIN CHARLES WHITE. Baltimore. 1620 *Madison Av.*
Baltimore City College. *Group V.* Dr. Kurrelmeyer, *Adviser.*

WILLIAM Z. WHITE. Baltimore. 601 *E. Biddle St.*
Baltimore City College. *Group III.* Professor Ballagh, *Adviser.*

CAROL WIGHT. Brooklyn, N. Y. 839 *N. Eutaw St.*
Private Instruction. *Group I.* Professor Smith, *Adviser.*

THEODORE SINCLAIR WILL. Baltimore. 1824 *Edmondson Av.*
The Deichmann School. *Group I.* Professor Spieker, *Adviser.*

JAMES REANEY WOLFE. Baltimore. 1931 *St. Paul St.*
Baltimore City College. *Group III.* Professor Barnett, *Adviser.*

LEO WOLMAN. Baltimore. 129 *N. Broadway.*
Baltimore City College. *Group V.* Dr. French, *Adviser.*

ALAN CHURCHILL WOODS. Baltimore. 842 *Park Av.*
Boys' Latin School. *Group V.* Professor Whitehead, *Adviser.*

(111)

CHARLES LEE PACKARD. Baltimore. 806 *St. Paul St.*
Boys' Latin School. *Group III.* Professor C. M. Andrews, *Adviser.*

MAX G. PAULUS. Baltimore. 1538 *N. Broadway.*
Baltimore City College. *Group V.* Professor E. A. Andrews, *Adviser.*

HYLAND PRICE STEWART, JR. Baltimore. 2213 *St. Paul St.*
Baltimore City College. *Group III.* Professor Vincent, *Adviser.*

ALAN CALLENDER SUTTON. Baltimore. 2321 *Callow Av.*
Baltimore City College. *Group V.* Dr. French, *Adviser.*

GASTON ISON SWEITZER. Glen Rock, Pa. 232 *Laurens St.*
York Collegiate Institute. *Group II.* Professor Wilson, *Adviser.*

CHARLES HENRY TILGHMAN. Talbot County. 36 *W. Biddle St.*
The Deichmann School. *Group V.* Professor Renouf, *Adviser.*

HARRY MILTON WAGNER, JR. Baltimore. 1809 *Bolton St.*
Baltimore City College. *Group V.* Dr. Kurrelmeyer, *Adviser.*

BENJAMIN FRANKLIN WALLIS. Baltimore. 604 *W. North Av.*
University School. *Group V.* Dr. Gilpin, *Adviser.*

MOSES HAROLD WAXMAN. Baltimore. 3902 *Park Heights Av.*
Baltimore City College. *Group V.* Professor Ballagh, *Adviser.*

STANSBURY MORRIS WILSON. Montgomery Co. 1524 *Linden Av.*
Baltimore City College. *Group V.* Dr. Cowles, *Adviser.*

(27)

SPECIAL STUDENTS

CHAUNCEY BROOKS BOSLEY. Baltimore. 1403 *Park Av.*
Boys' Latin School. *Group III.* Dr. Brush, *Adviser.*

ROBERT WARREN BOUSLOUGH. Aurora, Ill. 1416 *McCulloh St.*
Armour Institute of Technology. *Group IV.* Professor Hulburt, *Adviser.*

JOHN KUPER BURGAN. Baltimore. 509 *New Boundary Av.*
Mr. Wolfe's School. *Group III.* Professor Vincent, *Adviser.*

EMMETT BELL BRYAN. Baltimore. 231 *E. Lafayette Av.*
Washington College (Md.), *Physics and Chemistry.* Professor Ames, *Adviser.*

EDMUND BRODIE CLARY. Baltimore. 1221 *Madison Av.*
Baltimore City College. *Group V.* Professor Mathews, *Adviser.*

HAROLD BERNARD DISNEY. Baltimore. 1000 *Hopkins Av. W.*
Baltimore City College. *Group V.* Dr. Shaw, *Adviser.*

ATTENDANTS ON SINGLE COURSES

ARTHUR WILSON DOWELL. Pr. Fredericktown. 2704 *N. Charles St.*
Baltimore City College; Law School, University of Maryland. *English.*

WILLIAM H. HALL. Baltimore. 500 *Engle Av.*
Baltimore City College. *Physics.*

JOHN SATCHELL MARTIN HAMMOND. Baltimore. 2502 *Madison Av.*
Baltimore City College. *English.*

ROBERT EARL PARRISH. Baltimore. 2801 *St. Paul St.*
Virginia Military Institute. *English.*

PHILIP BENJAMIN PERLMAN. Baltimore. 2225 *Callow Av.*
Baltimore City College. *English.*

FRANK WHALEN. Howard County. *Ellicott City.*
Law School, University of Maryland. *English.*

HIRAM WINTERNITZ, JR. Baltimore. 2228 *Callow Av.*
The Deichmann School. *Economics and History.*

ROBERT HORATIO WRIGHT. Baltimore. 1700 *Guilford Av.*
Cornell University. *Applied Electricity.*

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By request of the Academic Council (October 8, 1883), this Board, consisting of the President, thirty-four Professors and eleven Associate Professors, has charge of the arrangements for the instruction of graduate students, and of the examinations for the degree of Doctor of Philosophy.

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This Board was constituted by resolution of the Trustees (April 3, 1893), "to report to the Trustees from time to time their suggestions, and to prepare and carry forward the proper arrangements for the instruction and graduation of medical students."

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Ira Remsen (*Pres.*), W. H. Welch, H. M. Hurd, H. A. Kelly, J. C. Bloodgood, Harvey Cushing, P. M. Dawson, H. H. Young, W. H. Lewis, W. S. Halsted. J. J. Abel, W. H. Howell, F. P. Mall, J. W. Williams, L. F. Barker, W. S. Thayer, Walter Jones, W. G. MacCallum, W. D. Booker, J. N. Mackenzie, Samuel Theobald, H. M. Thomas, J. W. Lord, T. C. Gilchrist, H. J. Berkley, J. M. T. Finney, W. W. Russell, T. S. Cullen, R. L. Randolph, T. B. Futcher, F. R. Sabin, Thomas McCrae, W. W. Ford, M. Brödel, F. R. Smith, G. L. Hunner,

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T. R. Brown, E. Hurdon, D. R. Hooker,
R. I. Cole, H. McE. Knower, R. S. Morris,
W. S. Baer, L. V. Hamman, C. Voegtlin,
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Henry Wood, C. M. Andrews, C. K. Swartz,
Edward Renouf, E. A. Andrews, M. P. Brush,
W. Hand Browne, J. B. Watson, J. E. Gilpin,
H. E. Greene, E. H. Buchner. A. B. Coble,
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By request of the Academic Council (May 13, 1892), the Board of Collegiate Studies, consisting of the President and of representatives from each of the chief departments of undergraduate study, confers upon the progress made by the undergraduate and special students, and conducts the examinations for matriculation and for the baccalaureate degree, under the direction of the Academic Council. The other teachers of undergraduates may be called in from time to time to consult.

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REGISTRAR OF THE MEDICAL SCHOOL

George J. Coy

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Maryland (Baltimore, 245)	311	Louisiana,	4
Pennsylvania,	46	Mississippi,	3
New York,	42	Nebraska,	3
Virginia,	31	New Hampshire,	3
Texas,	21	Oregon,	3
Ohio,	19	Tennessee,	3
Connecticut,	18	Delaware,	2
South Carolina,	18	Florida,	2
Georgia,	15	Minnesota,	2
Illinois,	15	Vermont,	2
Massachusetts,	14	Michigan,	1
Alabama,	13	Montana,	1
California,	13	New Mexico,	1
North Carolina,	13	Rhode Island,	1
Missouri,	10	South Dakota,	1
Indiana,	9	Wyoming,	1
Washington,	9		
District of Columbia,	8		
Kentucky,	8	Canada,	15
New Jersey,	8	Brazil,	2
West Virginia,	7	France,	2
Kansas,	6	Egypt,	1
Wisconsin,	6	Germany,	1
Iowa,	5	Holland,	1
Maine,	5	Roumania,	1
Arkansas,	4	Philippine Is.	1

Lawrence Edmonds Griffin, Ph. D., (F), Prof. of Biology, Missouri Valley College. [1900]
James Edwin Duerden, Ph. D., Prof. of Zoology, Rhodes Univ. Coll., Cape Colony. [1901-02]
Rheinart Parker Cowles, Ph. D., (F), Instr. in Biology. [1902-04]
David Hilt Tennent, Ph. D., (F), Assoc. Prof. of Zoology, Bryn Mawr. [1904] *Did not enter on the fellowship.*
Otto Charles Glaser, Ph. D., (F), Asst. Prof. of Zoology, Univ. of Mich. [1904-05]
Forrest Shreve, Ph. D., (F), Research Botanist, Carnegie Inst., Tucson, Ariz. [1905-06]
Robert Ervin Coker, Ph. D., (F), Zoologist, National Museum, Washington. [1906] *Did not enter on the fellowship.*
Ivey Foreman Lewis, Ph. D. (F), Prof. of Biology, Randolph-Macon Coll. [1907-08]
J. Frank Daniel, Ph. D. (F), Instr. (*elect*) in Zool. Univ. of Mich.

WILLIAM S. RAYNER FELLOWS IN SEMITIC LANGUAGES

The Rayner Fellowship was founded in 1889 by Mrs. Bertha Rayner Frank and Mr. Albert W. Rayner, of Baltimore, to perpetuate in this university the name of their father, Mr. William S. Rayner, who had made unusual attainments in the Hebrew language and was interested in the promotion of Semitic studies. The gift amounted to $10,000.

When the institution is not named, this university is to be understood. The figures in brackets indicate the tenure of the fellowship. (F) indicates that the person has held a university fellowship here.

Karl Josef Grimm, Ph. D. (F), Prof. of German, Pennsylvania Coll. [1899-01]
Theodore Clinton Foote, Ph. D., Clergyman, Roland Park, Md. [1901-03]
Gabriel Oussani, A. B., S. T. B., (F), Prof. of Italian, Latin, and Oriental Lang., Catholic Seminary, N. Y. [1903] *Did not enter on the fellowship.*
William George Seiple, Ph. D., Missionary, Sendai, Japan. [1903-04]
Aaron Ember, Ph. D., (F), Assoc. in Hebrew. [1904-09]

UNIVERSITY FELLOWS

Arranged under the date of first appointment. Figures in brackets indicate the tenure of the fellowship, when it was held more than one year. When the institution is not named, this university is to be understood. *Deceased.

1876

Henry Carter Adams, Ph. D., LL. D., Prof. of Political Economy and Finance, Univ. of Michigan; Statistician, Interstate Commerce Commission.—[1876-79]
*Herbert Baxter Adams, Ph. D., LL. D., Assoc., Assoc. Prof., Prof. of American and Institutional History, Professor Emeritus, 1878-01.—[1876-78]
*William Keith Brooks, Ph. D., LL. D., Assoc., Assoc. Prof. and Prof. of Zoology, 1876-1908. *Did not enter on the fellowship.*
Samuel Fessenden Clarke, Ph. D., Prof. of Natural History, Williams College.—[1876-79]
*Thomas Craig, Ph. D., Instr., Assoc., Assoc. Prof., Prof. of Mathematics, 1879-1900; Editor, *American Journal of Mathematics*, 1894-99.—[1876-79]
*Joshua Walker Gore, C. E., Prof. of Natural Philosophy, University of N. C. 1878-1908.—[1876-78]
George Bruce Halsted, Ph. D., Prof. of Mathematics, Kenyon Coll., 1903-06; Greeley, Colo.—[1876-78]
Edward Hart, Ph. D., Prof. of Analytical Chemistry, Lafayette Coll.—[1876-78]

Daniel Webster Hering, C. E., Ph. D., LL. D., Prof. of Physics and Dean of the Graduate Faculty, New York Univ.—[1876-78]
Malvern Wells Iles, Ph. D., Consulting Metallurgist, London, England.—[1876-78]
William White Jacques, Ph. D., Lecturer, Mass. Inst. of Tech., 1883-91; Scientific Investigator, Boston.—[1876-79]
Charles Rockwell Lanman, Ph. D., LL. D., Prof. of Sanskrit, Harvard Univ.
David McGregor Means, A. B., Prof. of Political and Mental Science, Middlebury Coll., 1877-80; Atty. at Law, New York.
Harmon Northrup Morse, Ph. D., Prof. of Inorg. and Anal. Chemistry; Director, Chemical Laboratory. *Did not enter on the fellowship.*
Walter Hines Page, Editor, *The World's Work*, N. Y.; Member, Alumni Council.—[1876-78]
*Peter Porter Poinier, M. E. *Did not enter on the fellowship.*
*Erasmus Darwin Preston, C. E., U. S. Coast Survey, 1879-1906.—[1876-78]
*Henry Joseph Rice, Sc. D., Prof. of Natural Sciences, Brooklyn High School, 1882-85.—[1876-78]
Josiah Royce, Ph. D., LL. D., Prof. of the History of Philosophy, Harvard.—[1876-78]
Alexander Duncan Savage, B. Litt., Asst. Curator, Dept. of Fine Arts, Brooklyn Inst. of Arts and Sciences.—[1876-79]
Ernest Gottlieb Sihler, Ph. D., Prof. of Latin, New York Univ.—[1876-79]
Frederick Boyd Van Vorst, A. B., Atty. at Law, New York.
*John Henry Wheeler, Ph. D., Prof. of Greek, Univ. of Virginia, 1882-87.

1877

Francis Greenleaf Allinson, Ph. D., Prof. of Classical Philology, Brown Univ.—[1877-80]
Fabian Franklin, Ph. D., LL. D., Asst., Assoc., Assoc. Prof., and Prof. of Mathematics, 1879-95; Lecturer in Political Economy, 1908-09; Editor *Baltimore News* 1895-1908.—[1877-79]
Lyman Beecher Hall, Ph. D., Prof. of Chemistry, Haverford Coll.—[1877-79]
Allan Marquand, Ph. D., L. H. D., Prof. of Art and Archæology, Princeton.—[1877-80]
Christian Sihler, Ph. D., M. D., Instr. and Acting Prof. of Histology, etc., Western Reserve Univ., 1889-94; Physician, Cleveland, Ohio.—[1877-79]

1878

Maurice Bloomfield, Ph. D., LL. D., Prof. of Sanskrit and Comparative Philology.
Constantine Fahlberg, Ph. D., Chemist, Salbke-Westerhuesen, Germany.—[1878-80]
Edwin Herbert Hall, Ph. D., LL. D., Prof. of Physics, Harvard Univ.—[1878-80]
Edward Coles Harding, A. M., Prof. of Greek, Univ. of Louisiana, 1879-80; Asst. Editor, *The Baltimore News*.
Rev. Charles Robert Hemphill, D. D., LL. D., Prof. of New Testament Exegesis, Louisville Presbyterian Theol. Sem.; Clergyman, Louisville, Ky.
Isaac Ott, A. M., M. D., Prof. of Physiology, Medico-Chirurgical Coll. of Philadelphia.
Henry Sewall, Ph. D., M. D., Prof. of Physiology, Univ. of Denver.
Washington Irving Stringham, Ph. D., Prof. of Mathematics, and Dean, College of Social Sciences, Univ. of Cal.—[1878-80]
Charles Ambrose Van Velzer, S. B., late Prof. of Mathematics, Univ. of Wis.—[1878-81]
Abram Van Epps Young, Ph. B., Prof. of Chemistry, Northwestern Univ.—[1878-80]

1879

Brown Ayres, Ph. D., LL. D., President and Prof. of Physics and Astronomy, University of Tennessee.
Louis Bevier, Ph. D., Prof. of Greek, Rutgers Coll.—[1879-81]
William Burney, Ph. D., Prof. of Chemistry, South Carolina Coll.
Edward Mussey Hartwell, Ph. D., M. D., LL. D., Sec., Dept. of Municipal Statistics, Boston.—[1879-81]
*John Robin McDaniel Irby, Ph. D.

Mitsuru Kuhara, Ph. D., Prof. of Chemistry and Director, Coll. of Science, Univ. of Kyoto, Japan.—[1879-81]
*Oscar Howard Mitchell, Ph. D., Prof. of Mathematics, Marietta Coll., 1882-89.—[1879-82]
Edward Leamington Nichols, Ph. D., LL. D., Prof. of Physics, Cornell Univ.
George Frederick Nicolassen, Ph. D., Prof. of Greek and German, Southwestern Presbyterian Univ., Tenn.—[1879-81]
Waldo Selden Pratt, A. B., Mus. D., Prof. of Ecclesiastical Music and Hymnology, Hartford (Conn.) Theol. Sem.
Robert Woodworth Prentiss, M. S., Prof. of Mathematics, etc., Rutgers.—[1879-81]
William Thompson Sedgwick, Ph. D., Prof. of Biology, Mass. Inst. of Tech.; Lecturer, Simmons Coll.
*Herman Vorhees, C. E. *Did not enter on the fellowship.*
Charles Otis Whitman, Sc. D., Ph. D., LL. D., Prof. of Zoology, Univ. of Chicago. *Did not enter on the fellowship.*
Edmund Beecher Wilson, Ph. D., LL. D., Prof. of Zoology, Columbia Univ.—[1879-81]

1880

James Wilson Bright, Ph. D., Caroline Donovan Prof. of English Literature.—[1880-82]
Benjamin Chapman Burt, A. B., Acting Prof. of Philosophy and Pedagogy, Univ. of Colorado, 1894-95.
Robert Dorsey Coale, Ph. D., Prof. of Chemistry and Dean, Med. Dept., Univ. of Md.
Lawrence Bunting Fletcher, Ph. D., Instructor in Physics, Wesleyan Univ., 1882-83.
*Spencer Hedden Freeman, A. B., Prof. of Physics and Astronomy, Adelbert Coll., 1882-86.—[1880-82]
Kakichi Mitsukuri, Ph. D., Prof. of Zoology, Univ. of Tokyo, Japan.
Bernard Francis O'Connor, Ph. D., Instructor and Adjunct Prof. of Romance Lang., Columbia Univ., 1883-91: New York.—[1880-82]
Chase Palmer, Ph. D., Chemist, U. S. Geological Survey, Washington.—[1880-82]
Herbert Mills Perry, A. B., late Instructor, Cascadilla School, Ithaca.—[1880-82]
William Lee Rowland, S. B., Chemist, Philadelphia. *Did not enter on the fellowship.*
*Andreas Franz Wilhelm Schimper, Ph. D., Prof. of Botany, Univ. of Basle, 1898-1901.
Edward Henry Spieker, Ph. D., Assoc. Prof. of Greek and Latin.—[1880-82]
Morrison Isaac Swift, Ph. D., Instructor in Philosophy, Hobart Coll., 1882-84.—[1880-82]
*Arthur Wilson Wheeler, A. B.

1881

William John Alexander, Ph. D., Prof. of English, Univ. of Toronto.—[1881-83]
Edward Sanford Burgess, Ph. D., Prof. of Natural Science, Normal Coll., N. Y.
William James Comstock, Ph. B., Instructor in Organic Chemistry, Yale Univ.
*William Cathcart Day, Ph. D., Prof. of Chemistry, Swarthmore, 1887-1901.—[1881-83]
Henry Herbert Donaldson, Ph. D., Prof. of Neurology, Wistar Inst. of Anatomy, Univ. of Pa.—[1881-83]
William Pitt Durfee, Ph. D., Prof. of Mathematics and Dean of the Faculty, Hobart Coll.—[1881-83]
George Stetson Ely, Ph. D., Principal Examiner, U. S. Patent Office.—[1881-83]
Benjamin Ives Gilman, A. M., Curator, Museum of Fine Arts, Boston, Mass.
John Franklin Jameson, Ph. D., LL. D., Director, Dept. of Historical Research, Carnegie Inst., Washington.
Charles Herschel Koyl, A. B., Instr. in Physics, Swarthmore, 1887-88; New York.—[1881-83]
Henry Leslie Osborn, Ph. D., Prof. of Biology and Geology, Hamline Univ.
Henry Newlin Stokes, Ph. D., Asst. Prof. of Chemistry, Univ. of Chicago, 1892-94; Chemist, Bureau of Standards, Washington.—[1881-83]
Benjamin Willis Wells, Ph. D., late Prof. of Modern Lang., Univ. of the South; Editor of *The Churchman*, N. Y. *Did not enter on the fellowship.*

1885

Cyrus Adler, Ph. D., President, Dropsie Coll., Philadelphia.—[1885-87]
*David Barcroft, Ph. D.
William Shirley Bayley, Ph. D., Assoc. Prof. of Geology, Univ. of Illinois; U. S. Geological Survey.—[March, 1885—June, 1886]
Louis Bell, Ph. D., Prof. of Physics, Purdue Univ., 1888-89; Electrical Engineer, Boston.—[1885-87]
William Henry Burnham, Ph. D., Asst. Prof. of Pedagogy, Clark Univ.
Francis Albert Christie, A. B., Prof. of Church History, Theol. School, Meadville, Pa.—[1885-87]
Davis Rich Dewey, Ph. D., Prof. of Economics, etc., Mass. Inst. of Tech.
Albert E. Egge, Ph. D., Prof. of English, Washington State Coll.
William Henry Emerson, Ph. D., Prof. of Chemistry, Georgia School of Tech.
John Charles Fields, Ph. D., Assoc. Prof. of Mathematics, Toronto Univ.
Joseph Jastrow, Ph. D., Prof. of Psychology, Univ. of Wisconsin.
George Theophilus Kemp, Ph. D., M. D., Prof. of Physiology, Univ. of Ill., 1889-1908.
Marion Dexter Learned, Ph. D., Prof. of German, Univ. of Pennsylvania.
Gonzalez Lodge, Ph. D., Prof. of Latin and Greek, Teachers Coll., Columbia Univ.
Arthur MacDonald, A. B., Bureau of Pensions, Washington, D. C. *Did not enter on the fellowship.*
Charles Skeele Palmer, Ph. D., Pres., Colo. School of Mines, 1902-03; Assoc. Ed., *Engineering and Mining Journal*, New York.
George Thomas White Patrick, Ph. D., Prof. of Philosophy, Iowa State Univ. *Reappointed* 1887, *but resigned.*
Moses Stephen Slaughter, Ph. D., Prof. of Latin, Univ. of Wisconsin.
Charles Whetham, A. B., President of Whetham Coll., Vancouver, B. C., 1890-93.
Charles Baker Wright, A. B., Prof. of English Literature and Rhetoric, Middlebury Coll. *Did not enter on the fellowship.*

1886

Edgar Pierce Allen, A. B., Prof. of Law, Univ. of Tientsin, China.—[1886-88]
John Pendleton Campbell, Ph. D., Prof. of Biology, Univ. of Georgia.
Henry Clarke, A. B., Classical Instr., London, England.
Herbert Charles Elmer, Ph. D., Asst. Prof. of Latin, Cornell Univ.
Henry Brayton Gardner, Ph. D., Prof. of Political Economy, Brown Univ.
*Milton Haight, A. B., Prof. of Mathematics, Sapporo, Japan, 1887-92.
John Leslie Hall, Ph. D., Prof. of English and History, William and Mary Coll.
Charles Willard Hayes, Ph. D., Chief Geologist, U. S. Geological Survey, Washington.
George Benjamin Hussey, Ph. D., Instr. in Greek, Emporia Coll., Kan.
James Hervey Hyslop, Ph. D., Prof. in Columbia Univ., 1895-1902; Sec. Amer. Society of Psychical Research, N. Y.
Andrew Cowper Lawson, Ph. D., Prof. of Mineralogy and Geology, Univ. of California.
Franklin Paine Mall, M. D., LL. D., Prof. of Anatomy.—[1886-88]
Yujiro Motora, Ph. D., Prof. of Psychology, etc., Univ. of Tokyo, Japan.
Julius Nelson, Ph. D., Prof. of Biology, Rutgers Coll.
William Ridgely Orndorff, Ph. D., Prof. of Organic Chemistry, Cornell.
Daniel Richard Randall, Ph. D., Attorney at Law, Annapolis, Md.
Henry Dallas Thompson, D. Sc., Ph. D., Prof. of Mathematics, Princeton.
Edward Burr Van Vleck, Ph. D., Prof. of Mathematics, Univ. of Wisconsin.
*Amos Griswold Warner, Ph. D., Prof. of Economics, Stanford Univ., 1893-1900.
John Roaf Wightman, Ph. D., Prof. of Romance Lang., Oberlin Coll.

1887

Joseph Sweetman Ames, Ph. D., LL. D., Prof. of Physics; Director, Physical Lab.
Philip Wheelock Ayres, Ph. D., Forester, Concord, N. H.
William Snyder Eichelberger, Ph. D., Prof. of Mathematics, U. S. Navy, Washington.
Henry Rushton Fairclough, Ph. D., Prof. of Latin, Stanford Univ. *Did not enter on the fellowship.*

John Cunningham Robertson, Ph. D., Prof. of Greek, St. Stephen's Coll., N. Y.
*Charles Hunter Ross, Ph. D., Prof. of Modern Lang., Alabama Polytech. Inst., 1892-1900.
Joseph Samuel Shefloe, Ph. D., Prof. of Romance Lang. and Librarian, Woman's College, Baltimore.
Robert Benson Steele, Ph. D., Adjunct Prof. of Latin, Vanderbilt Univ.
Bert John Vos, Ph. D., Prof. of German, Indiana Univ.—[1889-91]
James Albert Woodburn, Ph. D., Prof. of American History, Indiana Univ.

1890

William Wilson Baden, Ph. D., late Prof. of Greek, etc., Univ. of Idaho.—[1890-92]
Robert Payne Bigelow, Ph. D., Bruce Fellow 1891-93; Instr. in Biology and Librarian, Mass. Inst. of Tech.
Edwin Grant Conklin, Ph. D., Prof. of Biology, Princeton Univ.
Rev. William Levering Devries, Ph. D., S. T. B., Clergyman, Washington.
George Houghton Gilman, A. B., LL. B., Atty. at Law, New York. *Did not enter on the fellowship.*
Thomas Perrin Harrison, Ph. D., Prof. of English, Davidson Coll.
Charles Rollin Keyes, Ph. D., Mining Engineer, Des Moines, Iowa.
Edwin Seelye Lewis, Ph. D., late Prof. Romance Lang., Princeton; Atty. at Law, N. Y.
Arthur Stanley Mackenzie, Ph. D., Prof. of Physics, Dalhousie Univ., N. S.
Henry Parker Manning, Ph. D., Assoc. Prof. of Mathematics, Brown Univ.
Wilfred Pirt Mustard, Ph. D., Collegiate Prof. of Latin.
Barker Newhall, Ph. D., Prof. of Greek, Kenyon Coll.
Edward Bennett Rosa, Ph. D., Chief Physicist, Bureau of Standards, Washington; Prof. George Washington Univ.
Charles Edward Saunders, Ph. D., Prof. of Chemistry, Central Univ., Ky., 1891-93; Cerealist, Ottawa, Canada.
Bernard Christian Steiner, LL. B., Ph. D., Librarian, Pratt Library; Associate in Hist. Jurisprudence.
John White, Jr., Ph. D., Prof. of Chemistry, Rose Polytechnic Inst.
Westel Woodbury Willoughby, Ph. D., Prof. of Political Science.

1891

Edward Ambrose Bechtel, Ph. D., Asst. Prof. Greek and Latin, Tulane Univ. *Did not enter on the fellowship.*
Julius Blume, Modern Lang. Master, University School, Baltimore, 1892-99.
Albert Bernhardt Faust, Ph. D., Asst. Prof. of German, Cornell Univ.
Simon Flexner, M. D., LL. D., Director, Rockefeller Inst. for Medical Research, N. Y.
Ulysses Sherman Grant, Ph. D., Prof. of Geology, Northwestern Univ.
William Asbury Harris, Ph. D., Prof. of Greek, Richmond Coll., Va.
Harry Clary Jones, Ph. D., Prof. of Physical Chemistry.
James Lawrence Kellogg, Ph. D., Prof. of Biology, Williams Coll.
Elmer Peter Kohler, Ph. D. Prof. of Chemistry, Bryn Mawr.
*Paul Erasmus Lauer, Ph. D., Asst. Supt. of Schools, Cleveland, O., 1892-93.
David Judson Lingle, Ph. D., Asst. Prof. of Physiology, Univ. of Chicago.
John Hanson Thomas Main, Ph. D., President, Iowa Coll.
Frank Jewett Mather, Jr., Ph. D., late Instr. in English, Williams Coll.; Asst. Editor, *The Evening Post*, N. Y.
Michael Andrew Mikkelsen, Ph. D., Asst. Editor, *The Sun*, N. Y.
John Dyneley Prince, Ph. D., Prof. of Semitic Lang., Columbia.
Brantz Mayer Roszel, Ph. D., Principal, Shenandoah Valley Acad., Va.
George Owen Squier, Ph. D., Major, U. S. Signal Corps.
Sidney Grant Stacey, Ph. D., Instr. in Latin, High School, Brooklyn.
Joseph Moody Willard, A. B., Prof. of Mathematics, Pennsylvania State Coll.

1892

Burleigh Smart Annis, A. B., late Instr. in Mathematics, High School, Hartford, Conn.; Chattanooga, Tenn.
Lewellys Franklin Barker, M. D., LL. D., Prof. of Medicine.
Rev. Melvin Brandow, A. B., Asst. Librarian, 1894-1903; Clergyman, Plymouth, Mass.

John Cunningham Robertson, Ph. D., Prof. of Greek, St. Stephen's Coll., N. Y.
*Charles Hunter Ross, Ph. D., Prof. of Modern Lang., Alabama Polytech. Inst., 1892-1900.
Joseph Samuel Shefloe, Ph. D., Prof. of Romance Lang. and Librarian, Woman's College, Baltimore.
Robert Benson Steele, Ph. D., Adjunct Prof. of Latin, Vanderbilt Univ.
Bert John Vos, Ph. D., Prof. of German, Indiana Univ.—[1889-91]
James Albert Woodburn, Ph. D., Prof. of American History, Indiana Univ.

1890

William Wilson Baden, Ph. D., late Prof. of Greek, etc., Univ. of Idaho.—[1890-92]
Robert Payne Bigelow, Ph. D., Bruce Fellow 1891-93; Instr. in Biology and Librarian, Mass. Inst. of Tech.
Edwin Grant Conklin, Ph. D., Prof. of Biology, Princeton Univ.
Rev. William Levering Devries, Ph. D., S. T. B., Clergyman, Washington.
George Houghton Gilman, A. B., LL. B., Atty. at Law, New York. *Did not enter on the fellowship.*
Thomas Perrin Harrison, Ph. D., Prof. of English, Davidson Coll.
Charles Rollin Keyes, Ph. D., Mining Engineer, Des Moines, Iowa.
Edwin Seelye Lewis, Ph. D., late Prof. Romance Lang., Princeton; Atty. at Law, N. Y.
Arthur Stanley Mackenzie, Ph. D., Prof. of Physics, Dalhousie Univ., N. S.
Henry Parker Manning, Ph. D., Assoc. Prof. of Mathematics, Brown Univ.
Wilfred Pirt Mustard, Ph. D., Collegiate Prof. of Latin.
Barker Newhall, Ph. D., Prof. of Greek, Kenyon Coll.
Edward Bennett Rosa, Ph. D., Chief Physicist, Bureau of Standards, Washington; Prof. George Washington Univ.
Charles Edward Saunders, Ph. D., Prof. of Chemistry, Central Univ., Ky., 1891-93; Cerealist, Ottawa, Canada.
Bernard Christian Steiner, LL. B., Ph. D., Librarian, Pratt Library; Associate in Hist. Jurisprudence.
John White, Jr., Ph. D., Prof. of Chemistry, Rose Polytechnic Inst.
Westel Woodbury Willoughby, Ph. D., Prof. of Political Science.

1891

Edward Ambrose Bechtel, Ph. D., Asst. Prof. Greek and Latin, Tulane Univ. *Did not enter on the fellowship.*
Julius Blume, Modern Lang. Master, University School, Baltimore, 1892-99.
Albert Bernhardt Faust, Ph. D., Asst. Prof. of German, Cornell Univ.
Simon Flexner, M. D., LL. D., Director, Rockefeller Inst. for Medical Research, N. Y.
Ulysses Sherman Grant, Ph. D., Prof. of Geology, Northwestern Univ.
William Asbury Harris, Ph. D., Prof. of Greek, Richmond Coll., Va.
Harry Clary Jones, Ph. D., Prof. of Physical Chemistry.
James Lawrence Kellogg, Ph. D., Prof. of Biology, Williams Coll.
Elmer Peter Kohler, Ph. D. Prof. of Chemistry, Bryn Mawr.
*Paul Erasmus Lauer, Ph. D., Asst. Supt. of Schools, Cleveland, O., 1892-93.
David Judson Lingle, Ph. D., Asst. Prof. of Physiology, Univ. of Chicago.
John Hanson Thomas Main, Ph. D., President, Iowa Coll.
Frank Jewett Mather, Jr., Ph. D., late Instr. in English, Williams Coll.; Asst. Editor, *The Evening Post*, N. Y.
Michael Andrew Mikkelsen, Ph. D., Asst. Editor, *The Sun*, N. Y.
John Dyneley Prince, Ph. D., Prof. of Semitic Lang., Columbia.
Brantz Mayer Roszel, Ph. D., Principal, Shenandoah Valley Acad., Va.
George Owen Squier, Ph. D., Major, U. S. Signal Corps.
Sidney Grant Stacey, Ph. D., Instr. in Latin, High School, Brooklyn.
Joseph Moody Willard, A. B., Prof. of Mathematics, Pennsylvania State Coll.

1892

Burleigh Smart Annis, A. B., late Instr. in Mathematics, High School, Hartford, Conn.: Chattanooga, Tenn.
Lewellys Franklin Barker, M. D., LL. D., Prof. of Medicine.
Rev. Melvin Brandow, A. B., Asst. Librarian, 1894-1903; Clergyman, Plymouth, Mass.

Alexander Mitchell Carroll, Ph. D., Head Prof. of Classical Philol., George Washington Univ.
Harry Max Ferren, A. B., Instr. in German, Allegheny (Pa.) High School.
David Hull Holmes, Ph. D., Classical Instr., High School, Brooklyn.
Arthur John Hopkins, Ph. D., Prof. of Chemistry, Amherst Coll.
Theodore Hough, Ph. D., Prof. of Physiol., Univ. of Va.
James Alton James, Ph. D., Prof. of European History, Northwestern Univ.
Francis Plaisted King, Ph. D., Asst. Geologist of Ga., 1893-96; Portland, Me.
Emory Bair Lease, Ph. D., Instr. in Latin, College of the City of New York.
*Edward Payson Manning, Ph. D., Instr. in Mathematics, St. Lawrence Univ., 1894-95.
*Louis Emil Menger, Ph. D., Assoc. Prof. and Prof. of Romance Philol., Bryn Mawr, 1897-03.
*Lucius Salisbury Merriam, Ph. D., Instr. in Polit. Econ., Cornell, 1893-94.
Mayo Maynard Metcalf, Ph. D., Bruce Fellow, 1893; Prof. of Zoology, Oberlin Coll.
*Renè de Poyen-Bellisle, Ph.D., Instr. in Romance Philol., Chicago, 1894-1900.
Arthur Percy Saunders, Ph. D., Prof. of Chemistry, Hamilton Coll.
Rev. Daniel Gurden Stevens, Jr., Ph. D., Clergyman, Bordentown, N. J. [1892-94]
Frederick Tupper, Jr., Ph. D., Prof. of Rhetoric and English Lit., Univ. of Vermont.
Frank Alfred Wolff, Jr., Ph. D., Physicist, Bureau of Standards, Washington.

1893

Thomas Stockham Baker, Ph. D., Director, Jacob Tome Inst.; Member, Alumni Council.
John Spencer Bassett, Ph. D., Prof. of History, Smith Coll.
George Melville Bolling, Ph. D., Assoc. Prof. of Greek and Comp. Philol., Catholic Univ.
Abraham Cohen, Ph. D., Associate in Mathematics.
Ervin Sidney Ferry, S. B., Prof. of Physics, Purdue Univ.
William Francis Gallaway, Ph. D., Princ., Chatham Acad., Savannah, Ga.
Ross Granville Harrison, Ph. D., M. D., Bruce Fellow, 1894; Prof. of Compar. Anatomy, Yale Univ.
Bert Holmes Hite, M. S., Prof. of Agric. Chem., West Va. Univ.—[1893-95]
Samuel Verplanck Hoffman, M. E., New York.
Jacob H. Hollander, Ph. D., Prof. of Polit. Economy.
Charles William Leverett Johnson, Ph. D., Instr. in Latin, Princeton, 1900-03; Baltimore.
George Wesley Johnston, Ph. D., Lecturer in Latin, Univ. of Toronto.
George Charles Keidel, Ph. D., Assoc. in Romance Languages.—[1893-95]
Edward Bennett Mathews, Ph. D., Prof. of Mineralogy, etc.; Asst. State Geologist of Maryland.
Edwin Fitch Northrup, Ph. D., Assoc. Prof. of Physics, Univ. of Texas, 1896-97; Philadelphia.—[1893-95]
*Alfred William Stratton, Ph. D., Registrar, Univ. of the Punjab; Prin. and Prof. of Sanskrit, Oriental Coll., Lahore, India, 1899-02.
Frederick Henry Sykes, Ph. D., Director, Extension Teaching, Columbia Univ.
George Francis Weida, Ph. D., Prof. of Chemistry, Kenyon Coll., Ohio.

1894

Arthur Fisher Bentley, Ph. D., Chicago.
Samuel Walker Beyer, Ph. D., Assoc. Prof. of Geology, Iowa Agric. Coll.
Clarence Griffin Child, Ph. D., Prof. of English, and Dean, Faculty of Philosophy, Univ. of Pa.
Frank Hollinger Clutz, Ph. D.—[1894-96]
Fonger DeHaan, Ph. D., Prof. of Spanish, Bryn Mawr. *Did not enter on the fellowship.*
Henry Stewart Gane, Ph. D., U. S. Geological Survey, Washington.
William August Haussmann, Ph. D., Instr. in German, Central High School, Philadelphia.
Reid Hunt, Ph. D., M. D., Pharmacologist, Bureau of Public Health, Washington.—[1894-96]
Thomas Franklin Kane, Ph. D., President, Univ. of Washington.
William Hamilton Kirk, Ph. D., Prof. of Latin, Rutgers Coll.
Henry McElderry Knower, Ph. D., Bruce Fellow, 1895-96; Assoc. in Anatomy.

George Lefevre, Ph. D., Bruce Fellow, 1895-97; Prof. of Zoology, Univ. of Missouri.
Caspar Levias, A. B., Prof. of Exegesis and Hebrew Grammar, Hebrew Union Coll., Cincinnati. *Reappointed* 1895, *but resigned.*
William Henry Maltbie, Ph. D., Prof. of Mathematics, Woman's Coll., Baltimore.
Thomas Francis Moran, Ph. D., Prof. of History and Economics, Purdue Univ.
Louis Trenchard More, Ph. D., Prof. of Physics, Univ. of Cincinnati.
James Flack Norris, Ph. D., Prof. of Chemistry, Simmons Coll., Boston.
Herbert Dodge Pease, M. D., Lecturer, Albany Med. Coll.

1895

*Norman Ross Carmichael, A. M., late Assoc. Prof. of Physics, School of Mining, Kingston, Ont.
Arthur Douglas Chambers, Ph. D., Chemist, Ashburn, Mo.
*Franklin Story Conant, Ph. D., Bruce Fellow, 1897.
Rev. Eneas Bernard Goodwin, A. B., Clergyman, LaGrange, Ill.
William Jackson Humphreys, Ph. D., Director, U. S. Meteorological Observ., Bluemont, Va.
Oliver Martin Johnston, Ph. D., Asst. Prof. of Romanic Lang., Stanford Univ.
Gordon Jennings Laing, Ph. D., Asst. Prof. of Latin, Univ. of Chicago.
*Louis Eugene Livingood, M. D., Asst. in Pathology, 1896-98, and Associate, 1898.
Ebenezer Mackay, Ph. D., Prof. of Chemistry and Mineralogy, Dalhousie Univ., N. S.
John McLaren McBryde, Jr., Ph. D., Acting Dean, Sweetbriar Inst., Amherst, Va.
Henry Ludwell Moore, Ph. D., Prof. of Political Economy, Columbia.
Charles William Peppler, Ph. D., Prof. of Greek, Emory Coll., Ga.
Franklin Lafayette Riley, Ph. D., Prof. of History, Univ. of Miss.
Frederick George Gottlob Schmidt, Ph. D., Prof. of Modern Lang., Univ. of Oregon.
John Adams Scott, Ph. D., Prof. of Greek, Northwestern Univ.
George Otis Smith, Ph. D., Director, U. S. Geological Survey, Washington.
M. Victor Staley, Ph. D., late Prof., Univ. of Washington.
Thomas Hardy Taliaferro, Ph. D., Expert, Census Bureau, Washington.
Harry Langford Wilson, Ph. D., LL. D., Prof. of Roman Archæology and Epigraphy. *Did not enter on the fellowship.*

1896

Edward Cooke Armstrong, Ph. D., Prof. of French Philology.
James Morton Callahan, Ph. D., Prof. of Hist. and Pol. Sci., W. Va. Univ.
Edward Perkins Carter, M. D., Physician, Cleveland, Ohio.
Hubert Lyman Clark, Ph. D., Asst. in Invert. Zool., Harvard.
Noah Ernest Dorsey, Ph. D., Physicist, Bureau of Standards, Washington.
Pelham Edgar, Ph. D., Prof. of French, Victoria Univ., Ont.
Edwin Luther Green, Ph. D., Adjunct Prof. of Ancient Lang., S. Carolina Coll.
Arthur Sewall Haggett, Ph. D., Prof. of Greek, Univ. of Washington.
William Edwards Henderson, Ph. D., Asst. Prof. of Anal. Chemistry, Ohio State Univ.
Charles Hoeing, Ph. D., Asst. Prof. of Latin, Univ. of Rochester.—[1896-98]
Duncan Starr Johnson, Ph. D., Bruce Fellow, 1887-98; Prof. of Botany.
Rev. Paul Henry Land, A. B., Clergyman, Lima, Ohio.
Omera Floyd Long, Ph. D., Assoc. Prof. of Latin, Northwestern Univ.
William Tyler Mather, Ph. D., Prof. of Physics, Univ. of Texas.
John Frederick Mohler, Ph. D., Prof. of Physics, Dickinson Coll. *Did not enter on the fellowship.*
Jens Anderson Ness, Ph. D., Prof. of Latin, Wittenberg Coll., O.—[1896-98]
Alexander Pell, Ph. D., Prof. of Mathematics, Armour Inst., Chicago.
Cornelius William Prettyman, Ph. D., Prof. of German, Dickinson Coll.
*Charles Dabney Ragland, Ph. D., Prof. of Chemistry, Randolph-Macon Coll., 1896-1900.
Frank Roy Rutter, Ph. D., Dept. of Agriculture, Washington.
George Burbank Shattuck, Ph. D., Prof. of Geology, Vassar Coll.

Joseph Cawdell Herrick, Ph. D., Instructor in Sciences, St. Joseph's Sem., Yonkers, N. Y.
*Julian Huguenin, Ph. D., Acting Prof. of English, Univ. of Louisiana, 1900-01.
Walter Hullihen, Ph. D., Prof. of Latin, Univ. of Chattanooga, Tenn.
Charles August Kraus, S. B., Research Assoc. in Phys. Chem., Mass. Inst. of Tech.
Harry Taylor Marshall, A. B., M. D., Prof. of Pathology, Univ. of Va.
John Charles Olsen, Ph. D., Prof. of Anal. Chemistry, Brooklyn Polytechnic Inst.
Herbert Meredith Reese, Ph. D., Asst. Prof. of Physics, Univ. of Missouri.
George Burr Richardson, Ph. D., U. S Geological Survey, Washington.
*Richard Burton Rowe, Ph. D., U. S. Geological Survey, 1900-02.
James Eustace Shaw, Ph. D., Associate in Italian.
Charles Clinton Weaver, Ph. D., Prof. of History, Davenport Coll., N. C.

1900

Herbert Thompson Archibald, Ph. D., Prof. of Greek, Occidental Coll., Cal.
George Dobbin Brown, Ph. D., Instr. in English, Princeton.
Benjamin Palmer Caldwell, Ph. D., Asst. Prof. of Chemistry, Tulane Univ.
Howard Vernon Canter, Ph. D., Instr. in Latin, Univ. of Missouri. *Did not enter on the fellowship.*
Winterton Conway Curtis, Ph. D., Asst. Prof. of Zoology, Univ. of Missouri.
*Waverley Bayard Daniel, Ph. D., Prof. of Latin, Baylor Univ., 1901-08.
Joseph Erlanger, M. D., Prof. of Physiology, Univ. of Wisconsin. *Did not enter on the fellowship.*
Arthur Henry Ewing, Ph. D., Prof., Christian Coll., Allahabad, India.
Joseph Christie Whitney Frazer, Ph. D., Chemist, Carnegie Tech. Schools, Pittsburg.
Norman Everett Gilbert, Ph. D., Asst. Prof. of Physics, Dartmouth Coll.
Roscoe Guernsey, Ph. D., Tutor in Greek, Columbia. *Reappointed* 1901, *but resigned.*
Fred Cole Hicks, Ph. D., Instr. in German, Univ. of Wisconsin, 1907-08.
George Curtis Martin, Ph. D., Instr. in Paleontology, 1901-04; U. S. Geological Survey.
William Elejius Martin, Ph. D., Prest. Sullins Coll., Bristol, Va.-Tenn.
Charles Alfred Mosemiller, A. B., Assoc. Prof. of Romance Lang., Indiana Univ.
Roland Jessup Mulford, Ph. D., Head Master, Ridgefield School, Conn.
Louis Alexander Parsons, Ph. D., Prof. of Physics, Pennsylvania Coll.—[1900-02]
Israel Euclid Rabinovitch, Ph. D., New York City.
Charles Sidney Smith, Ph. D., Asst. Prof. of Greek and Latin, George Washington Univ. *Did not enter on the fellowship.*
Percy Goldthwait Stiles, Ph. D., Asst. Prof. of Biology, Simmons Coll., Boston. *Did not enter on the fellowship.*
Gordon Wilson, M. D., Physician, Baltimore.

1901

Francis Marion Austin, A. B., Prof. of Latin, Ill. Wesleyan Univ. *Did not enter on the fellowship.*
LeRoy Carr Barret, Ph. D., Preceptor in Classics, Princeton.—[1901-03]
George Olaf Berg, Ph. D., Prof. of Greek, Wittenberg Coll.—[1901-03]
Arthur Byron Coble, Ph. D., Assoc. Prof. of Mathematics.
Rheinart Parker Cowles, Ph. D., Bruce Fellow, 1902-04; Instr. in Biology.
Albert Eugene Curdy, Ph. D., Asst. Prof. of French, Yale.
Philip Howard Edwards, Ph. D., Instr. Latin, Balt. City Coll.—[1901-03]
James Warner Harry, Ph. D., Baltimore.
Edward Pechin Hyde, Ph. D., Director, Phys. Lab., Nat. Elec. Lamp Assoc., Cleveland.
Herman Kurrelmeyer, Ph. D., Instr. in Mod. Lang., Mass. Inst. of Tech.
Charles Fowler Lindsay, Ph. D., Research Chemist, General Electric Co., Schnectady.
Robert Edward Loving, Ph. D., Prof. of Physics, Richmond Coll. *Did not enter on the fellowship.*
Louis Wardlaw Miles, Ph. D., Preceptor in English, Princeton.
Benjamin Leroy Miller, Ph. D., Prof. of Geology, Lehigh Univ.
Gabriel Oussani, A. B., S. T. B., Rayner Fellow, 1903; Prof. of Italian, Latin, and Oriental Lang., Catholic Seminary, N. Y.—[1901-03]

Lawrence Edmonds Griffin, Ph. D., (F), Prof. of Biology, Missouri Valley College. [1900]
James Edwin Duerden, Ph. D., Prof. of Zoology, Rhodes Univ. Coll., Cape Colony. [1901-02]
Rheinart Parker Cowles, Ph. D., (F), Instr. in Biology. [1902-04]
David Hilt Tennent, Ph. D., (F), Assoc. Prof. of Zoology, Bryn Mawr. [1904] *Did not enter on the fellowship.*
Otto Charles Glaser, Ph. D., (F), Asst. Prof. of Zoology, Univ. of Mich. [1904-05]
Forrest Shreve, Ph. D., (F), Research Botanist, Carnegie Inst., Tucson, Ariz. [1905-06]
Robert Ervin Coker, Ph. D., (F), Zoologist, National Museum, Washington. [1906] *Did not enter on the fellowship.*
Ivey Foreman Lewis, Ph. D. (F), Prof. of Biology, Randolph-Macon Coll. [1907-08]
J. Frank Daniel, Ph. D. (F), Instr. (*elect*) in Zool. Univ. of Mich.

WILLIAM S. RAYNER FELLOWS IN SEMITIC LANGUAGES

The Rayner Fellowship was founded in 1889 by Mrs. Bertha Rayner Frank and Mr. Albert W. Rayner, of Baltimore, to perpetuate in this university the name of their father, Mr. William S. Rayner, who had made unusual attainments in the Hebrew language and was interested in the promotion of Semitic studies. The gift amounted to $10,000.

When the institution is not named, this university is to be understood. The figures in brackets indicate the tenure of the fellowship. (F) indicates that the person has held a university fellowship here.

Karl Josef Grimm, Ph. D. (F), Prof. of German, Pennsylvania Coll. [1899-01]
Theodore Clinton Foote, Ph. D., Clergyman, Roland Park, Md. [1901-03]
Gabriel Oussani, A. B., S. T. B., (F), Prof. of Italian, Latin, and Oriental Lang., Catholic Seminary, N. Y. [1903] *Did not enter on the fellowship.*
William George Seiple, Ph. D., Missionary, Sendai, Japan. [1903-04]
Aaron Ember, Ph. D., (F), Assoc. in Hebrew. [1904-09]

UNIVERSITY FELLOWS

Arranged under the date of first appointment. Figures in brackets indicate the tenure of the fellowship, when it was held more than one year. When the institution is not named, this university is to be understood. *Deceased.

1876

Henry Carter Adams, Ph. D., LL. D., Prof. of Political Economy and Finance, Univ. of Michigan; Statistician, Interstate Commerce Commission.—[1876-79]
*Herbert Baxter Adams, Ph. D., LL. D., Assoc., Assoc. Prof., Prof. of American and Institutional History, Professor Emeritus, 1878-01.—[1876-78]
*William Keith Brooks, Ph. D., LL. D., Assoc., Assoc. Prof. and Prof. of Zoology, 1876-1908. *Did not enter on the fellowship.*
Samuel Fessenden Clarke, Ph. D., Prof. of Natural History, Williams College.—[1876-79]
*Thomas Craig, Ph. D., Instr., Assoc., Assoc. Prof., Prof. of Mathematics, 1879-1900; Editor, *American Journal of Mathematics*, 1894-99.—[1876-79]
*Joshua Walker Gore, C. E., Prof. of Natural Philosophy, University of N. C. 1878-1908.—[1876-78]
George Bruce Halsted, Ph. D., Prof. of Mathematics, Kenyon Coll., 1903-06; Greeley, Colo.—[1876-78]
Edward Hart, Ph. D., Prof. of Analytical Chemistry, Lafayette Coll.—[1876-78]

Mitsuru Kuhara, Ph. D., Prof. of Chemistry and Director, Coll. of Science, Univ. of Kyoto, Japan.—[1879-81]
*Oscar Howard Mitchell, Ph. D., Prof. of Mathematics, Marietta Coll., 1882-89.—[1879-82]
Edward Leamington Nichols, Ph. D., LL. D., Prof. of Physics, Cornell Univ.
George Frederick Nicolassen, Ph. D., Prof. of Greek and German, Southwestern Presbyterian Univ., Tenn.—[1879-81]
Waldo Selden Pratt, A. B., Mus. D., Prof. of Ecclesiastical Music and Hymnology, Hartford (Conn.) Theol. Sem.
Robert Woodworth Prentiss, M. S., Prof. of Mathematics, etc., Rutgers.—[1879-81]
William Thompson Sedgwick, Ph. D., Prof. of Biology, Mass. Inst. of Tech.; Lecturer, Simmons Coll.
*Herman Vorhees, C. E. *Did not enter on the fellowship.*
Charles Otis Whitman, Sc. D., Ph. D., LL. D., Prof. of Zoology, Univ. of Chicago. *Did not enter on the fellowship.*
Edmund Beecher Wilson, Ph. D., LL. D., Prof. of Zoology, Columbia Univ.—[1879-81]

1880

James Wilson Bright, Ph. D., Caroline Donovan Prof. of English Literature.—[1880-82]
Benjamin Chapman Burt, A. B., Acting Prof. of Philosophy and Pedagogy, Univ. of Colorado, 1894-95.
Robert Dorsey Coale, Ph. D., Prof. of Chemistry and Dean, Med. Dept., Univ. of Md.
Lawrence Bunting Fletcher, Ph. D., Instructor in Physics, Wesleyan Univ., 1882-83.
*Spencer Hedden Freeman, A. B., Prof. of Physics and Astronomy, Adelbert Coll., 1882-86.—[1880-82]
Kakichi Mitsukuri, Ph. D., Prof. of Zoology, Univ. of Tokyo, Japan.
Bernard Francis O'Connor, Ph. D., Instructor and Adjunct Prof. of Romance Lang., Columbia Univ., 1883-91; New York.—[1880-82]
Chase Palmer, Ph. D., Chemist, U. S. Geological Survey, Washington.—[1880-82]
Herbert Mills Perry, A. B., late Instructor, Cascadilla School, Ithaca.—[1880-82]
William Lee Rowland, S. B., Chemist, Philadelphia. *Did not enter on the fellowship.*
*Andreas Franz Wilhelm Schimper, Ph. D., Prof. of Botany, Univ. of Basle, 1898-1901.
Edward Henry Spieker, Ph. D., Assoc. Prof. of Greek and Latin.—[1880-82]
Morrison Isaac Swift, Ph. D., Instructor in Philosophy, Hobart Coll., 1882-84.—[1880-82]
*Arthur Wilson Wheeler, A. B.

1881

William John Alexander, Ph. D., Prof. of English, Univ. of Toronto.—[1881-83]
Edward Sanford Burgess, Ph. D., Prof. of Natural Science, Normal Coll., N. Y.
William James Comstock, Ph. B., Instructor in Organic Chemistry, Yale Univ.
*William Cathcart Day, Ph. D., Prof. of Chemistry, Swarthmore, 1887-1901.—[1881-83]
Henry Herbert Donaldson, Ph. D., Prof. of Neurology, Wistar Inst. of Anatomy, Univ. of Pa.—[1881-83]
William Pitt Durfee, Ph. D., Prof. of Mathematics and Dean of the Faculty, Hobart Coll.—[1881-83]
George Stetson Ely, Ph. D., Principal Examiner, U. S. Patent Office.—[1881-83]
Benjamin Ives Gilman, A. M., Curator, Museum of Fine Arts, Boston, Mass.
John Franklin Jameson, Ph. D., LL. D., Director, Dept. of Historical Research, Carnegie Inst., Washington.
Charles Herschel Koyl, A. B., Instr. in Physics, Swarthmore, 1887-88; New York.—[1881-83]
Henry Leslie Osborn, Ph. D., Prof. of Biology and Geology, Hamline Univ.
Henry Newlin Stokes, Ph. D., Asst. Prof. of Chemistry, Univ. of Chicago, 1892-94; Chemist, Bureau of Standards, Washington.—[1881-83]
Benjamin Willis Wells, Ph. D., late Prof. of Modern Lang., Univ. of the South; Editor of *The Churchman*, N. Y. *Did not enter on the fellowship.*

1885

Cyrus Adler, Ph. D., President, Dropsie Coll., Philadelphia.—[1885-87]
*David Barcroft, Ph. D.
William Shirley Bayley, Ph. D., Assoc. Prof. of Geology, Univ. of Illinois; U. S. Geological Survey.—[March, 1885—June, 1886]
Louis Bell, Ph. D., Prof. of Physics, Purdue Univ., 1888-89; Electrical Engineer, Boston.—[1885-87]
William Henry Burnham, Ph. D., Asst. Prof. of Pedagogy, Clark Univ.
Francis Albert Christie, A. B., Prof. of Church History, Theol. School, Meadville, Pa.—[1885-87]
Davis Rich Dewey, Ph. D., Prof. of Economics, etc., Mass. Inst. of Tech.
Albert E. Egge, Ph. D., Prof. of English, Washington State Coll.
William Henry Emerson, Ph. D., Prof. of Chemistry, Georgia School of Tech.
John Charles Fields, Ph. D., Assoc. Prof. of Mathematics, Toronto Univ.
Joseph Jastrow, Ph. D., Prof. of Psychology, Univ. of Wisconsin.
George Theophilus Kemp, Ph. D., M. D., Prof. of Physiology, Univ. of Ill., 1889-1908.
Marion Dexter Learned, Ph. D., Prof. of German, Univ. of Pennsylvania.
Gonzalez Lodge, Ph. D., Prof. of Latin and Greek, Teachers Coll., Columbia Univ.
Arthur MacDonald, A. B., Bureau of Pensions, Washington, D. C. *Did not enter on the fellowship.*
Charles Skeele Palmer, Ph. D., Pres., Colo. School of Mines, 1902-03; Assoc. Ed., *Engineering and Mining Journal*, New York.
George Thomas White Patrick, Ph. D., Prof. of Philosophy, Iowa State Univ. *Reappointed* 1887, *but resigned.*
Moses Stephen Slaughter, Ph. D., Prof. of Latin, Univ. of Wisconsin.
Charles Whetham, A. B., President of Whetham Coll., Vancouver, B. C., 1890-93.
Charles Baker Wright, A. B., Prof. of English Literature and Rhetoric, Middlebury Coll. *Did not enter on the fellowship.*

1886

Edgar Pierce Allen, A. B., Prof. of Law, Univ. of Tientsin, China.—[1886-88]
John Pendleton Campbell, Ph. D., Prof. of Biology, Univ. of Georgia.
Henry Clarke, A. B., Classical Instr., London, England.
Herbert Charles Elmer, Ph. D., Asst. Prof. of Latin, Cornell Univ.
Henry Brayton Gardner, Ph. D., Prof. of Political Economy, Brown Univ.
*Milton Haight, A. B., Prof. of Mathematics, Sapporo, Japan, 1887-92.
John Leslie Hall, Ph. D., Prof. of English and History, William and Mary Coll.
Charles Willard Hayes, Ph. D., Chief Geologist, U. S. Geological Survey, Washington.
George Benjamin Hussey, Ph. D., Instr. in Greek, Emporia Coll., Kan.
James Hervey Hyslop, Ph. D., Prof. in Columbia Univ., 1895-1902; Sec. Amer. Society of Psychical Research, N. Y.
Andrew Cowper Lawson, Ph. D., Prof. of Mineralogy and Geology, Univ. of California.
Franklin Paine Mall, M. D., LL. D., Prof. of Anatomy.—[1886-88]
Yujiro Motora, Ph. D., Prof. of Psychology, etc., Univ. of Tokyo, Japan.
Julius Nelson, Ph. D., Prof. of Biology, Rutgers Coll.
William Ridgely Orndorff, Ph. D., Prof. of Organic Chemistry, Cornell.
Daniel Richard Randall, Ph. D., Attorney at Law, Annapolis, Md.
Henry Dallas Thompson, D. Sc., Ph. D., Prof. of Mathematics, Princeton.
Edward Burr Van Vleck, Ph. D., Prof. of Mathematics, Univ. of Wisconsin.
*Amos Griswold Warner, Ph. D., Prof. of Economics, Stanford Univ., 1893-1900.
John Roaf Wightman, Ph. D., Prof. of Romance Lang., Oberlin Coll.

1887

Joseph Sweetman Ames, Ph. D., LL. D., Prof. of Physics; Director, Physical Lab.
Philip Wheelock Ayres, Ph. D., Forester, Concord, N. H.
William Snyder Eichelberger, Ph. D., Prof. of Mathematics, U. S. Navy, Washington.
Henry Rushton Fairclough, Ph. D., Prof. of Latin, Stanford Univ. *Did not enter on the fellowship.*

John Cunningham Robertson, Ph. D., Prof. of Greek, St. Stephen's Coll., N. Y.
*Charles Hunter Ross, Ph. D., Prof. of Modern Lang., Alabama Polytech. Inst., 1892-1900.
Joseph Samuel Sheffoe, Ph. D., Prof. of Romance Lang. and Librarian, Woman's College, Baltimore.
Robert Benson Steele, Ph. D., Adjunct Prof. of Latin, Vanderbilt Univ.
Bert John Vos, Ph. D., Prof. of German, Indiana Univ.—[1889-91]
James Albert Woodburn, Ph. D., Prof. of American History, Indiana Univ.

1890

William Wilson Baden, Ph. D., late Prof. of Greek, etc., Univ. of Idaho.—[1890-92]
Robert Payne Bigelow, Ph. D., Bruce Fellow 1891-93; Instr. in Biology and Librarian, Mass. Inst. of Tech.
Edwin Grant Conklin, Ph. D., Prof. of Biology, Princeton Univ.
Rev. William Levering Devries, Ph. D., S. T. B., Clergyman, Washington.
George Houghton Gilman, A. B., LL. B., Atty. at Law, New York. *Did not enter on the fellowship.*
Thomas Perrin Harrison, Ph. D., Prof. of English, Davidson Coll.
Charles Rollin Keyes, Ph. D., Mining Engineer, Des Moines, Iowa.
Edwin Seelye Lewis, Ph. D., late Prof. Romance Lang., Princeton; Atty. at Law, N. Y.
Arthur Stanley Mackenzie, Ph. D., Prof. of Physics, Dalhousie Univ., N. S.
Henry Parker Manning, Ph. D., Assoc. Prof. of Mathematics, Brown Univ.
Wilfred Pirt Mustard, Ph. D., Collegiate Prof. of Latin.
Barker Newhall, Ph. D., Prof. of Greek, Kenyon Coll.
Edward Bennett Rosa, Ph. D., Chief Physicist, Bureau of Standards, Washington; Prof. George Washington Univ.
Charles Edward Saunders, Ph. D., Prof. of Chemistry, Central Univ., Ky., 1891-93; Cerealist, Ottawa, Canada.
Bernard Christian Steiner, LL. B., Ph. D., Librarian, Pratt Library; Associate in Hist. Jurisprudence.
John White, Jr., Ph. D., Prof. of Chemistry, Rose Polytechnic Inst.
Westel Woodbury Willoughby, Ph. D., Prof. of Political Science.

1891

Edward Ambrose Bechtel, Ph. D., Asst. Prof. Greek and Latin, Tulane Univ. *Did not enter on the fellowship.*
Julius Blume, Modern Lang. Master, University School, Baltimore, 1892-99.
Albert Bernhardt Faust, Ph. D., Asst. Prof. of German, Cornell Univ.
Simon Flexner, M. D., LL. D., Director, Rockefeller Inst. for Medical Research, N. Y.
Ulysses Sherman Grant, Ph. D., Prof. of Geology, Northwestern Univ.
William Asbury Harris, Ph. D., Prof. of Greek, Richmond Coll., Va.
Harry Clary Jones, Ph. D., Prof. of Physical Chemistry.
James Lawrence Kellogg, Ph. D., Prof. of Biology, Williams Coll.
Elmer Peter Kohler, Ph. D. Prof. of Chemistry, Bryn Mawr.
*Paul Erasmus Lauer, Ph. D., Asst. Supt. of Schools, Cleveland, O., 1892-93.
David Judson Lingle, Ph. D., Asst. Prof. of Physiology, Univ. of Chicago.
John Hanson Thomas Main, Ph. D., President, Iowa Coll.
Frank Jewett Mather, Jr., Ph. D., late Instr. in English, Williams Coll.; Asst. Editor, *The Evening Post*, N. Y.
Michael Andrew Mikkelsen, Ph. D., Asst. Editor, *The Sun*, N. Y.
John Dyneley Prince, Ph. D., Prof. of Semitic Lang., Columbia.
Brantz Mayer Roszel, Ph. D., Principal, Shenandoah Valley Acad., Va.
George Owen Squier, Ph. D., Major, U. S. Signal Corps.
Sidney Grant Stacey, Ph. D., Instr. in Latin, High School, Brooklyn.
Joseph Moody Willard, A. B., Prof. of Mathematics, Pennsylvania State Coll.

1892

Burleigh Smart Annis, A. B., late Instr. in Mathematics, High School, Hartford, Conn.; Chattanooga, Tenn.
Lewellys Franklin Barker, M. D., LL. D., Prof. of Medicine.
Rev. Melvin Brandow, A. B., Asst. Librarian, 1894-1903; Clergyman, Plymouth, Mass.

George Lefevre, Ph. D., Bruce Fellow, 1895-97; Prof. of Zoology, Univ. of Missouri.
Caspar Levias, A. B., Prof. of Exegesis and Hebrew Grammar, Hebrew Union Coll., Cincinnati. *Reappointed* 1895, *but resigned.*
William Henry Maltbie, Ph. D., Prof. of Mathematics, Woman's Coll., Baltimore.
Thomas Francis Moran, Ph. D., Prof. of History and Economics, Purdue Univ.
Louis Trenchard More, Ph. D., Prof. of Physics, Univ. of Cincinnati.
James Flack Norris, Ph. D., Prof. of Chemistry, Simmons Coll., Boston.
Herbert Dodge Pease, M. D., Lecturer, Albany Med. Coll.

1895

*Norman Ross Carmichael, A. M., late Assoc. Prof. of Physics, School of Mining, Kingston, Ont.
Arthur Douglas Chambers, Ph. D., Chemist, Ashburn, Mo.
*Franklin Story Conant, Ph. D., Bruce Fellow, 1897.
Rev. Eneas Bernard Goodwin, A. B., Clergyman, LaGrange, Ill.
William Jackson Humphreys, Ph. D., Director, U. S. Meteorological Observ., Bluemont, Va.
Oliver Martin Johnston, Ph. D., Asst. Prof. of Romanic Lang., Stanford Univ.
Gordon Jennings Laing, Ph. D., Asst. Prof. of Latin, Univ. of Chicago.
*Louis Eugene Livingood, M. D., Asst. in Pathology, 1896-98, and Associate, 1898.
Ebenezer Mackay, Ph. D., Prof. of Chemistry and Mineralogy, Dalhousie Univ., N. S.
John McLaren McBryde, Jr., Ph. D., Acting Dean, Sweetbriar Inst., Amherst, Va.
Henry Ludwell Moore, Ph. D., Prof. of Political Economy, Columbia.
Charles William Peppler, Ph. D., Prof. of Greek, Emory Coll., Ga.
Franklin Lafayette Riley, Ph. D., Prof. of History, Univ. of Miss.
Frederick George Gottlob Schmidt, Ph. D., Prof. of Modern Lang., Univ. of Oregon.
John Adams Scott, Ph. D., Prof. of Greek, Northwestern Univ.
George Otis Smith, Ph. D., Director, U. S. Geological Survey, Washington.
M. Victor Staley, Ph. D., late Prof., Univ. of Washington.
Thomas Hardy Taliaferro, Ph. D., Expert, Census Bureau, Washington.
Harry Langford Wilson, Ph. D., LL. D., Prof. of Roman Archæology and Epigraphy. *Did not enter on the fellowship.*

1896

Edward Cooke Armstrong, Ph. D., Prof. of French Philology.
James Morton Callahan, Ph. D., Prof. of Hist. and Pol. Sci., W. Va. Univ.
Edward Perkins Carter, M. D., Physician, Cleveland, Ohio.
Hubert Lyman Clark, Ph. D., Asst. in Invert. Zool., Harvard.
Noah Ernest Dorsey, Ph. D., Physicist, Bureau of Standards, Washington.
Pelham Edgar, Ph. D., Prof. of French, Victoria Univ., Ont.
Edwin Luther Green, Ph. D., Adjunct Prof. of Ancient Lang., S. Carolina Coll.
Arthur Sewall Haggett, Ph. D., Prof. of Greek, Univ. of Washington.
William Edwards Henderson, Ph. D., Asst. Prof. of Anal. Chemistry, Ohio State Univ.
Charles Hoeing, Ph. D., Asst. Prof. of Latin, Univ. of Rochester.—[1896-98]
Duncan Starr Johnson, Ph. D., Bruce Fellow, 1887-98; Prof. of Botany.
Rev. Paul Henry Land, A. B., Clergyman, Lima, Ohio.
Omera Floyd Long, Ph. D., Assoc. Prof. of Latin, Northwestern Univ.
William Tyler Mather, Ph. D., Prof. of Physics, Univ. of Texas.
John Frederick Mohler, Ph. D., Prof. of Physics, Dickinson Coll. *Did not enter on the fellowship.*
Jens Anderson Ness, Ph. D., Prof. of Latin, Wittenberg Coll., O.—[1896-98]
Alexander Pell, Ph. D., Prof. of Mathematics, Armour Inst., Chicago.
Cornelius William Prettyman, Ph. D., Prof. of German, Dickinson Coll.
*Charles Dabney Ragland, Ph. D., Prof. of Chemistry, Randolph-Macon Coll., 1896-1900.
Frank Roy Rutter, Ph. D., Dept. of Agriculture, Washington.
George Burbank Shattuck, Ph. D., Prof. of Geology, Vassar Coll.

Joseph Cawdell Herrick, Ph. D., Instructor in Sciences, St. Joseph's Sem., Yonkers, N. Y.
*Julian Huguenin, Ph. D., Acting Prof. of English, Univ. of Louisiana, 1900-01.
Walter Hullihen, Ph. D., Prof. of Latin, Univ. of Chattanooga, Tenn.
Charles August Kraus, S. B., Research Assoc. in Phys. Chem., Mass. Inst. of Tech.
Harry Taylor Marshall, A. B., M. D., Prof. of Pathology, Univ. of Va.
John Charles Olsen, Ph. D., Prof. of Anal. Chemistry, Brooklyn Polytechnic Inst.
Herbert Meredith Reese, Ph. D., Asst. Prof. of Physics, Univ. of Missouri.
George Burr Richardson, Ph. D., U. S Geological Survey, Washington.
*Richard Burton Rowe, Ph. D., U. S. Geological Survey, 1900-02.
James Eustace Shaw, Ph. D., Associate in Italian.
Charles Clinton Weaver, Ph. D., Prof. of History, Davenport Coll., N. C.

1900

Herbert Thompson Archibald, Ph. D., Prof. of Greek, Occidental Coll., Cal.
George Dobbin Brown, Ph. D., Instr. in English, Princeton.
Benjamin Palmer Caldwell, Ph. D., Asst. Prof. of Chemistry, Tulane Univ.
Howard Vernon Canter, Ph. D., Instr. in Latin, Univ. of Missouri. *Did not enter on the fellowship.*
Winterton Conway Curtis, Ph. D., Asst. Prof. of Zoology, Univ. of Missouri.
*Waverley Bayard Daniel, Ph. D., Prof. of Latin, Baylor Univ., 1901-08.
Joseph Erlanger, M. D., Prof. of Physiology, Univ. of Wisconsin. *Did not enter on the fellowship.*
Arthur Henry Ewing, Ph. D., Prof., Christian Coll., Allahabad, India.
Joseph Christie Whitney Frazer, Ph. D., Chemist, Carnegie Tech. Schools, Pittsburg.
Norman Everett Gilbert, Ph. D., Asst. Prof. of Physics, Dartmouth Coll.
Roscoe Guernsey, Ph. D., Tutor in Greek, Columbia. *Reappointed* 1901, *but resigned.*
Fred Cole Hicks, Ph. D., Instr. in German, Univ. of Wisconsin, 1907-08.
George Curtis Martin, Ph. D., Instr. in Paleontology, 1901-04; U. S. Geological Survey.
William Elejius Martin, Ph. D., Prest. Sullins Coll., Bristol, Va.-Tenn.
Charles Alfred Mosemiller, A. B., Assoc. Prof. of Romance Lang., Indiana Univ.
Roland Jessup Mulford, Ph. D., Head Master, Ridgefield School, Conn.
Louis Alexander Parsons, Ph. D., Prof. of Physics, Pennsylvania Coll.—[1900-02]
Israel Euclid Rabinovitch, Ph. D., New York City.
Charles Sidney Smith, Ph. D., Asst. Prof. of Greek and Latin, George Washington Univ. *Did not enter on the fellowship.*
Percy Goldthwait Stiles, Ph. D., Asst. Prof. of Biology, Simmons Coll., Boston. *Did not enter on the fellowship.*
Gordon Wilson, M. D., Physician, Baltimore.

1901

Francis Marion Austin, A. B., Prof. of Latin, Ill. Wesleyan Univ. *Did not enter on the fellowship.*
LeRoy Carr Barret, Ph. D., Preceptor in Classics, Princeton.—[1901-03]
George Olaf Berg, Ph. D., Prof. of Greek, Wittenberg Coll.—[1901-03]
Arthur Byron Coble, Ph. D., Assoc. Prof. of Mathematics.
Rheinart Parker Cowles, Ph. D., Bruce Fellow, 1902-04; Instr. in Biology.
Albert Eugene Curdy, Ph. D., Asst. Prof. of French, Yale.
Philip Howard Edwards, Ph. D., Instr. Latin, Balt. City Coll.—[1901-03]
James Warner Harry, Ph. D., Baltimore.
Edward Pechin Hyde, Ph. D., Director, Phys. Lab., Nat. Elec. Lamp Assoc., Cleveland.
Herman Kurreimeyer, Ph. D., Instr. in Mod. Lang., Mass. Inst. of Tech.
Charles Fowler Lindsay, Ph. D., Research Chemist, General Electric Co., Schnectady.
Robert Edward Loving, Ph. D., Prof. of Physics, Richmond Coll. *Did not enter on the fellowship.*
Louis Wardlaw Miles, Ph. D., Preceptor in English, Princeton.
Benjamin Leroy Miller, Ph. D., Prof. of Geology, Lehigh Univ.
Gabriel Oussani, A. B., S. T. B., Rayner Fellow, 1903; Prof. of Italian, Latin, and Oriental Lang., Catholic Seminary, N. Y.—[1901-03]

Samuel Grant Oliphant, Ph. D., Henry E. Johnston Scholar, 1906-07; Prof. of Ancient Lang., Olivet Coll.—[1904-06]
Henry Bayard Phillips, Ph. D., Instr. in Mathematics, Mass. Inst. of Tech.
James Temple Porter, Ph. D., Assoc. Prof. of Physics and Astronomy, Univ. of Tennessee.
Robert Lee Ramsay, Ph. D., Instr. in English, Univ. of Missouri.
Robert Retzer, M. D., Assoc. in Anatomy.
Andrew Dante Schrag, Ph. D., Instr. in German, Univ. of Nebraska.
Forrest Shreve, Ph. D., Bruce Fellow, 1905-06; Research Botanist, Carnegie Inst., Tucson, Ariz.
Levi Shoemaker Taylor, Ph. D., Science Instr., Pasadena, Cal.
Horace Scudder Uhler, Ph. D., Asst. Prof. of Physics, Yale Univ.
Robert Daniel Williams, A. M. [1904-06]
Louis Bernard Wolfenson, Ph. D., Instr. in Hebrew and Hellenistic Greek, Univ. of Wisconsin.

1905

Robert Ervin Coker, Ph. D., Bruce Fellow, 1906; Zoologist, Nat. Museum, Washington.
Ernest K. Cullen, M. B., Physician, Baltimore.
Edwin Preston Dargan, Ph. D., Adj. Prof. of Romance Lang., Univ. of Va.
George Wicker Elderkin, Ph. D., Fellow, Amer. School of Classical Studies, Athens.
John Augustine English Eyster, M. D., Prof. of Pharmacol., Univ. of Va.
Horace Edgar Flack, Ph. D., City Statistician, Balt.
Frederick Squire Hemry, A. M., German Master, Baltimore.
*Frederick W. Hilbert, A. B.
Herbert Pierrepont Houghton, Ph. D., Instr. in Classics, Amherst.—[1905-07]
Llewellyn Griffith Hoxton, A. M., Adj. Prof. of Physics, Univ. of Va.
William Lee Kennon, Ph. D., Asst. Prof. of Chemistry, Univ. of Miss.
Albert Harp Licklider, Ph. D., Instr. in English, Dartmouth Coll.
Henry Martin, Ph. D., Instr. in Latin, Friends' School, Balt.
LeRoy McMaster, Ph. D., Instr. in Chemistry, Washington Univ., St. Louis.
John Frederick Messick, Ph. D., Asst. Prof. of Mathematics, Randolph-Macon Coll.
August Herman Pfund, Ph. D., James Buchanan Johnston Scholar, 1907-09; Assoc. in Physics.
William Frederick Prouty, Ph. D., Assoc. Prof. of Geology, Univ. of Alabama, and Asst. State Geologist.
William Henry Schultz, Ph. D., Instr. in Physiology, Univ. of Missouri.—[1905-07]
Henry McGilbert Wagstaff, Ph. D., Assoc. Prof. of Hist., Univ. of North Carolina.

1906

John August Anderson, Ph. D., Assoc. in Astronomy.
Clyde Shepherd Atchison, Ph. D., Instr. in Mathematics, Williams Coll.
Harold Herman Bender, Ph. D., Annapolis, Md.
Philip Blanc, A. B., S. T. L., Instr. in Semitic Languages, Boston Coll. *Reappointed 1907, but resigned*
Douglas Southall Freeman, Ph. D., Archivist, Confederate Mem. Assoc., Richmond, Va.
William Davis Furry, Ph. D., Henry E. Johnston Jr. Scholar 1907-09; Instr. in Philosophy.
Theodore Wesley Glocker, Ph. D., Assoc., School for Social Workers, Boston.
G. W. Greenwood, A. M., Prof. of Mathematics, Roanoke Coll., 1906-07. *Did not enter on the fellowship.*
Walter Clark Haupt, Ph. D., German Master, Country School for Boys, Balt.—[1906-08]
Henry Frederic Helmholz, S. B., M. D., Physician, Milwaukee, Wis.
Herbert Eugene Ives, Ph. D., Physicist, Bureau of Standards, Washington. —[1906-08]
Henry Carrington Lancaster, Ph. D., Assoc. Prof. of Romance Lang., Amherst Coll.
Ivey Foreman Lewis, Ph. D., Bruce Fellow, 1907-08; Prof. of Biology, Randolph-Macon Coll.
Benjamin Franklin Lovelace, Ph. D., Prof. of Chemistry, Univ. of Ala.
Leonard Leopold Mackall, A. B., Student in Germany. *Did not enter on the fellowship.*

DEGREES CONFERRED 1878-1908

HONORARY DEGREES

DOCTOR OF LAWS

1881

*Rutherford B. Hayes, President of the United States.

1902

Edwin Anderson Alderman, President of the University of Virginia.
James Burrill Angell, President of the University of Michigan.
John Shaw Billings, Director of the New York Public Library.
Nicholas Murray Butler, President of Columbia University.
Charles William Dabney, President of the University of Cincinnati.
Charles William Eliot, President of Harvard University.
Arthur Twining Hadley, President of Yale University.
Granville Stanley Hall, President of Clark University.
*William Rainey Harper, President of the University of Chicago.
John Franklin Jameson, Director, Department of Historical Research, Carnegie Institution, Washington.
David Starr Jordan, President of Leland Stanford Junior University.
James Loudon, President of the University of Toronto.
John William Mallet, Professor of Chemistry in the University of Virginia.
Simon Newcomb, Professor of Mathematics, United States Navy.
Francis Landey Patton, President of Princeton Theological Seminary.
William Peterson, Principal of McGill University.
Henry Smith Pritchett, President of the Massachusetts Institute of Technology.
Josiah Royce, Professor of the History of Philosophy in Harvard University.
James Schouler, Historian, Boston, Mass.
Charles Doolittle Walcott, Secretary of the Smithsonian Institution.
Benjamin Ide Wheeler, President of the University of California.
Andrew Dickson White, late Ambassador of the United States in Germany.
Edmund Beecher Wilson, Professor of Zoology in Columbia University.
Woodrow Wilson, President of Princeton University.

1903

Joseph John Thomson, Cavendish Professor of Experimental Physics in the University of Cambridge.

1905

William Osler, Honorary Professor of Medicine in the Johns Hopkins University, Regius Professor in the University of Oxford.
Albert von Pfister, President of the Württemberg Society of History and Antiquities.

1906

*Sir William Henry Perkin, of London, England.

DOCTOR OF PHILOSOPHY

1880

*Henry Augustus Rowland, Professor of Physics in the Johns Hopkins University.

*Deceased.

William Thompson Sedgwick (F), Ph. B. Yale 1877; Asst. and Assoc. 1880-83.—Prof. Biol. Mass. Inst. Tech.; Lecturer, Simmons Coll.

Christian Sihler (F), Concordia (Ind.) 1866; M. D. Mich. 1871; Asst. 1879-80; Instr. and Acting Prof. Western Reserve 1888-94.—Physician. Cleveland, Ohio.

Edmund Beecher Wilson (F), Ph. B. Yale 1878; Asst. 1881-82, LL. D. 1902; LL. D. Chicago and Clark 1901; Lecturer, Williams, 1883-84; Assoc. Prof. and Prof. Bryn Mawr 1885-91.—Prof. Zool. Columbia. (9)

1882

James Wilson Bright (F), Lafayette (A. B. 1877, LL. D. 1907); Instr. Cornell 1885.—Donovan Prof. English Lit.; Assoc. Ed. *Modern Lang. Notes.*

John Franklin Jameson (F), Amherst (A. B. 1879, LL. D. 1898); Asst. and Assoc. 1882-88, Lecturer 1890-91, LL.D. 1902; Prof. Brown 1888-01; Prof. Chicago 1901-05. —Director, Dept. of Hist. Research, Carnegie Inst. Wash.

Mitsuru Kuhara (F), Tokyo (S. B. 1877, Lecturer 1882-87). — Prof. Chem. and Director, Coll. of Sci. and Eng. Univ. of Kyoto.

Robert Wright Mahon, C. E. Lehigh 1876; Tutor, Lafayette 1882-83; Acting Prof. Chem. Rose Polytech. 1888-89.

*Oscar Howard Mitchell (F), Marietta (A. B. 1875. Prof. Math. 1882-89). **March* 29, 1889.

George Frederick Nicolassen (F), A. B. Virginia 1879; Asst. 1881-82. —Prof. Greek and German, Southwestern Presb. Univ. Clarksville, Tenn.

William Albert Noyes, A. B. Iowa 1879; Instr. Univ. of Minn. 1882-83; Prof. Univ. of Tenn. 1883-86, Rose Polytech. Inst. 1886-03; Chief Chemist, National Bureau of Standards, 1903-07.—Prof. Chem. Univ. of Ill. Urbana.

Chase Palmer (F), A. B. 1879; Asst. Mass. Inst. Tech. 1882-83, Tufts Coll. 1887-88; Prof. Chem. Mass. Norm. School, Salem 1883-87, Wabash Coll. 1888-90, Manual Train. School, Louisville 1895-01, Central Univ. (Ky.) 1901-05, Ky. State Coll. 1905-06.—Chemist, U. S. Geol. Survey, Wash.

Edward Henry Spieker (F), A. B. 1879.—Assoc. Prof. Greek and Latin. (9)

1883

William John Alexander (F), A. B. London 1876; Prof. Dalhousie 1883-89.—Prof. English, Toronto.

*William Cathcart Day (F), A. B. 1880; Prof. Chem. St. John's 1883-84, Univ. of Nashville 1884-87, Swarthmore 1887-01. **August* 15. 1905.

William Pitt Durfee (F), A. B. Mich. 1876.—Prof. Math. and Dean, Hobart Coll. Geneva, N. Y.

George Stetson Ely (F), A. B. Amherst 1878; Prof. Math. Buchtel 1883-84.—Princ. Examiner, U. S. Patent Office.

Kakichi Mitsukuri (F), Ph. B. Yale 1879.—Prof. Zool. Univ. of Tokyo.

Bernard Francis O'Connor (F), B. ès Lett. Univ. of France 1874; Instr. and Adj. Prof. Romance Lang. Columbia, 1883-91.—New York. (6)

1884

Herbert William Conn, A. B. Boston Univ. 1881; Asst. 1883-84.—Prof. Biol. Wesleyan, Middletown, Conn.

Ellery Williams Davis (F), S. B. Wis. 1879; Prof. Florida Agric. 1884-88, S. C. Univ. 1888-93.—Prof. Math. Univ. of Neb. Lincoln.

David Talbot Day (F), A. B. 1881.—Mineralogist, U. S. Geol. Survey, Washington.

John Dewey (F), A. B. Univ. of Vt. 1879; LL. D. Wisconsin 1904; Instr. and Prof. Mich. 1884-04, Chicago 1894-04; Lecturer 1906-07. —Prof. Philos. Columbia.

*James Reynolds Duggan (F), A. B. Mercer 1877; M. D. Jefferson 1879; Prof. Chem. Wake Forest 1886-88. **January* 10, 1888.

William Henry Howell (F), A. B. 1881; Mich. (Hon. M. D. 1890, Lecturer and Prof. 1889-92); Assoc. Prof. Harvard 1892-93; L.L.D. Trinity 1901.—Prof. Physiol. and Dean. Med. Faculty.

Hans Carl Guenther von Jagemann (F), Naumburg Gymnas. 1876; Prof. Earlham 1884-85, Indiana Univ. 1885-89.—Prof. Germanic Philol. Harvard.

Edward Harrison Keiser (F), S. B. Swarthmore 1880; Asst. 1884-85; Assoc. Prof. and Prof. Bryn Mawr 1885-99.—Prof. Chem. Washington Univ. St. Louis.

Arthur Lalanne Kimball (F), A. B. Princeton 1881; Assoc. and Assoc. Prof. 1884-91.—Prof. Physics, Amherst.

Henry Leslie Osborn (F), A. B. Wesleyan 1878; Prof. Purdue 1884-87.—Prof. Biol. and Geol. Hamline Univ. St. Paul, Minn.

Charles Albert Perkins (F), A. B. Williams 1879; Asst. 1884-87; Assoc. Bryn Mawr 1887-91; Prof. Hampden Sidney 1891-92.—Prof. Elec. Eng. Univ. of Tenn. Knoxville.

Albert Shaw, A. B. Iowa 1879; Reader 1889-90, Lecturer 1891-92.—Editor, *Review of Reviews*, New York.

1887

Cyrus Adler (F), A. B. Univ. of Pa. 1883; Instr. and Assoc. 1887-93; Librarian, Smithsonian Inst. 1893-08.—Pres. Dropsie Coll. Philadelphia.

Ethan Allen Andrews (F), Ph. B. Yale 1881.—Prof. Zoology.

Rev. Albert Clayton Applegarth, A.B. 1884.—Clergyman, Philadelphia.

*David Barcroft (F), Ph. B. Univ. of Cal. 1882. *August 2, 1894.

Henry Gustav Beyer, M. D. Bellevue 1876; M. R. C. S. (London); Director, Phys. Train. U. S. Naval Acad. 1891-95.—Med. Inspector, U. S. N.

Richard Newman Brackett, A. B. Davidson 1883; Chemist, Ark. Geol. Survey 1887-91.—Assoc. Prof. Chem. Clemson Coll. S. C.

Henry Crew (F), A. B. Princeton, 1882; Asst. 1887-88; Instr. Haverford 1888-91.—Prof. Physics, Northwestern Univ. Ill.

Albert E. Egge (F), A. B. Luther 1879; Prof. St. Olaf 1887-92; Instr. Iowa Univ. 1892-96.—Prof. English, Washington State Coll. Pullman.

John Charles Fields (F), A. B. Toronto 1884; Prof. Allegheny 1889-98.—Assoc. Prof. Math. Toronto.

Andrew Fossum, A. B. Luther 1882.—Prof. Greek, St. Olaf Coll. Northfield, Minn.

Richmond Harding, A. B. Davidson 1880.—Prof. Greek, Davidson, N.C.

Charles Willard Hayes (F), A. B. Oberlin 1883; Lecturer 1903-04.—Chief Geologist, U. S. Geol. Survey, Washington.

William Adam Hedrick, A. M. Columbian 1884.—Instr. Physics, High School, Washington.

Frank Gaylord Hubbard, A. B. Williams 1880; Instr. Smith Coll. 1887-88, Univ. of Cal. 1888-92.—Prof. English, Univ. of Wis. Madison.

George Benjamin Hussey (F), A. B. Columbia 1884; Fellow, Princeton 1888-90; Instr. and Assoc. Prof. Univ. of Neb. 1891-94; Docent, Chicago 1894-1900; late Asst. Prof. Western Maryland Coll. and Carleton Coll.—Instr. Greek, Emporia Coll. Kan.

James Hervey Hyslop (F), A. B. Wooster 1877; Instr. Bucknell 1888-89; Prof. Logic and Ethics, Columbia 1895-02.—Sec. Amer. Soc. of Psychical Research, N. Y.

Marion Dexter Learned (F), A.B. Dickinson 1880; Instr. Assoc. Assoc Prof. 1886-95.—Prof. German, Univ. of Pa.

William Ridgely Orndorff (F), A. B. 1884.—Prof. Organ. Chem. Cornell.

Daniel Richard Randall (F), A. B. St. John's 1883.—Atty. at Law, Annapolis.

Frederick Morris Warren, A. B. Amherst 1880; Instr. and Assoc. 1886-91; Prof. Adelbert 1891-01.—Prof. Modern Lang. Yale; Lecturer, Old French Lit. (20)

1888

William Muss Arnolt (F), B. D. New Brunsw. Sem. 1882; Instr. 1891-93; Asst. Prof. Mich. 1893; Instr. and Asst. Prof. Biblical Philol. and Asst. Recorder, Chicago 1893-03.—Public Library, Boston.

Philip Wheelock Ayres (F), Ph. B. Cornell 1884.—Forester, Concord, N. H.

Louis Bell (F), A. B. Dartmouth 1884; Prof. Physics, Purdue 1888-89; Lecturer, Mass. Inst. Tech. 1900-01.—Elec. Engineer, Boston.

Benjamin Lester Bowen, A. B. Rochester 1881; Prof. Bowdoin 1888-89.—Prof. Romance Lang. Ohio State Univ. Columbus.

William Henry Burnham (F), A. B. Harvard 1882; Instr. 1888-89.—Asst. Prof. Pedagogy, Clark Univ. Worcester, Mass.

Richard Eugene Burton, A. B. Trinity (Conn.) 1883; Lecturer, 1898.—Prof. English Lit. Univ. of Minn. Minneapolis.

John Pendleton Campbell (F), A. B. 1885.—Prof. Biology, Univ. of Ga. Athens.

Herbert Charles Elmer (F), Cornell (A. B. 1883, Asst. Prof. Latin).

Robert Orlando Graham, A. B. Amherst 1877.—Prof. Chem. and Geol. and Dean, Grad. Dept. Illinois Wesleyan, Bloomington.

Erasmus Haworth, S. B. Kansas Univ. 1881; Prof. Oskaloosa 1882-92.—Prof. Geol. Kansas Univ. Lawrence; Supt. Kansas Geol. Survey.

Francis Hobart Herrick, A. B. Dartmouth 1881.—Prof. Biol. Adelbert, Cleveland.

William Herbert Hobbs (F), S. B. Worcester Polytech. 1883; Prof. Univ. of Wis. 1889-07.—Prof Geol. Univ. of Mich. Ann Arbor.

Joseph Hoeing Kastle (F), Ky. State Coll. (S. B. 1884, Prof. Chem. 1888-05).—Chief Chemist, U. S. Bureau of Public Health; Prof. Chem. Univ. of Virginia 1909.—

Andrew Cowper Lawson (F), A. B. Toronto 1883.—Prof. Mineral. and Geol. Univ. of Cal. Berkeley.

Felix Lengfeld (F), Prof. S. Dak. School of Mines 1890-91; Instr. Univ. of Cal. 1891-92; Docent, Tutor, Asst Prof. Chicago 1892-01.—Chemist, San Francisco.

Archibald Byron Macallum, Toronto (A. B. 1880, M. B. 1889); LL. D. Aberdeen 1906; Sc. D. Yale 1907; F. R. S. (London) 1906.—Prof. Physiol. and Physiol. Chem. Univ. of Toronto.

MASTER OF ARTS

William Thomas Councilman, M. D. (Univ. of Md.), LL. D.—Prof. of Pathological Anatomy, Harvard.

Benjamin Ives Gilman, A. B. (Williams)—Curator, Museum of Fine Arts, Boston.

John M. Glenn, A. M. and LL. D. (Wash. and Lee)—Secretary and Director, Russell Sage Foundation, New York.

Clayton Colman Hall, LL. B. (Univ. of Md.)—Atty. at Law and Consulting Actuary, Balt.

Theodore Marburg.—Balt.; Member of the Board of Trustees.

William L. Marbury.—Atty. at Law. Balt.

Robert Lee Randolph, M. D. (Univ. of Md.)—Assoc. Prof. of Ophthalmology and Othology.

Lawrason Riggs, A. B. (Princeton), LL. B. (Univ. of Md.)—Atty. at Law, Balt.

Henry M. Thomas, M. D. (Univ. of Md.)—Clinical Prof. of Neurology.

Julian LeRoy White, A. M. (Cambridge)—Baltimore.

DEGREES IN COURSE

DOCTOR OF PHILOSOPHY

When the institution is not named, this university is to be understood. (F) indicates that the person has held a fellowship here. *—Died.

1878

Henry Carter Adams (F), A. B. Iowa 1874; LL. D. Wisconsin 1904; Instr. 1879-81, Lecturer 1892-94; Lecturer and Assoc. Prof. Cornell 1879-87.—Prof. Pol. Econ. Univ. of Mich.; Statistician, Interstate Commerce Commission.

*Thomas Craig (F), C. E. Lafayette 1875; U. S. Coast Survey 1879-81; Instr. Assoc. Assoc. Prof. Prof. Math. 1879-1900; Editor *American Journal of Mathematics* 1894-1899. *May 8, 1900.

Josiah Royce (F), California (A. B. 1875, Asst. Prof. 1878-82); LL. D. 1902, Lecturer 1905-06.—Prof. Hist. of Philos. Harvard.

Ernest Gottlieb Sihler (F), Concordia (Ind.) 1869; Prof. Concordia (Milwaukee) 1891-92.—Prof. Latin N. Y. Univ. (4)

1879

Maurice Bloomfield (F), A. M. Furman 1877; LL. D. Princeton 1896.—Prof. Sanskrit and Compar. Philol.

Samuel Fessenden Clarke (F), Ph. B. Yale 1878; Asst. 1879-81.—Prof. Natural Hist. Williams Coll.

George Bruce Halsted (F), Princeton (A. B. 1875, Tutor and Instr. 1878-84); Prof. Univ. of Texas 1884-1903; Prof. Math. Kenyon Coll. 1903-06.—Greeley, Colo.

Edward Hart (F), S. B. Lafayette 1874.—Prof. Anal. Chem. Lafayette Coll. Easton, Pa.

William White Jacques (F), Mass. Inst. Tech. S. B. 1876, Lecturer 1883-91.—Scientific Investigator, Boston.

Henry Sewall (F), S. B. Wesleyan 1876; Assoc. 1880-82; Mich. (Hon. M. D. 1888, Prof. 1882-88); M. D. Univ. of Colo. 1888.—Prof. Physiol. Univ. of Denver. (6)

1880

Francis Greenleaf Allinson (F), Haverford (A. B. 1876, Asst. Prof. 1880-82); A. B. Harvard 1877; Assoc. Prof. Williams 1892-95.—Prof. Class. Philol. Brown Univ.

Fabian Franklin (F), Columbian (Ph. B. 1869, LL. D. 1904); Asst. Assoc. Assoc. Prof. Prof. Math. 1879-95; Editor, *Baltimore News*, 1895-08; Lecturer, Polit. Econ. 1908-09.—Assoc. Editor, *Evening Post*, N. Y.

Edwin Herbert Hall (F), A. B. Bowdoin 1875; Asst. 1880-81.—Prof. Physics, Harvard.

Allan Marquand (F), A. B. Princeton 1874; L. H. D. Hobart 1888.—Prof. Art and Archæol. Princeton.

Washington Irving Stringham (F), A. B. Harvard 1877.—Prof. Math. and Dean, Coll. of Social Sci. Univ. of Cal. Berkeley. (5)

1881

Louis Bevier (F), A. B. Rutgers 1878.—Prof. Greek, Rutgers Coll.

Robert Dorsey Coale (F), Asst. 1881-83.—Prof. Chem. and Dean of Med. Faculty, Univ. of Md.

Edward Allen Fay, A. B. Mich. 1862.—Vice-Pres. and Prof. Lang. Gallaudet Coll. D. C.

Lawrence Bunting Fletcher (F), A. B. Columbia 1877; Instr. Physics Wesleyan 1882-83.

Samuel Garner, A. B. St. John's 1871; Prof. Med. Lang. Univ. of Ind. 1881-87; U. S. Naval Acad. 1887-96.—County School Supt. Annapolis, Md.

Edward Mussey Hartwell (F), Amherst (A. B. 1873, LL. D. 1896); M. D. Miami Med. Coll. 1882; Instr. and Assoc. 1883-91; Director, Phys. Train. Boston Schools 1891-97.—Sec. Dept. of Music Statistics, Boston.

Rudolf John Julius De Roode, Jr. (F), S. B. Ky. State Coll. 1885.—Supt. Bureau of Tests, Internat. Paper Co., N. Y.

George Peter Dreyer (F), A. B. 1887, Demonstr. Assoc. Assoc. Prof. 1890-1900. — Prof. Physiol. Med. Dept. Univ. of Ill. Chicago.

Edwin Whitfield Fay (F), A. M. Southwest, Presb. 1883; Instr. Mich. 1890-91; Acting Prof. Texas 1892-93; Prof. Wash. and Lee 1893-99.—Prof. Latin Univ. of Texas, Austin.

Henry Torsey Fernald, S. B. Maine State Coll. 1885.—Prof. Entomol. Mass. Agric. Coll. Amherst.

Henry Brayton Gardner (F), Brown (A. B. 1884, Prof. Polit. Econ.), Providence.

Charles Jaques Goodwin (F), A. B. Bowdoin 1887; Prof. Cornell Coll. 1890-92; Tutor, Wesleyan 1892-95; Acting Prof. St. Stephen's, N. Y. 1898-99. — Prof. Greek, Lehigh, S. Bethlehem, Pa.

Charles Homer Haskins, A. B. 1887, Instr. 1889-90; A. M. (Hon.) Harv. 1908; Asst. Prof. and Prof. Wisconsin 1890-02.—Prof. Hist. and Dean, Grad. School, Harvard.

James Taft Hatfield (F), A. B. Northwestern 1883. — Prof. German, Northwestern, Evanston, Ill.

John Cohn Hemmeter, M. D. Univ. of Md. 1883.—Clin. Prof. Med. Univ of Md.; Physician, Balt.

Charles Holmes Herty, Univ. of Ga. (Ph. B. 1886, Adj. Prof. Chem. 1894-02).—Prof. Chem. Univ. of N. C. Chapel Hill.

Jesse Herman Holmes, A. B. Nebraska 1884.—Prof. Hist. of Religion and Philos. Swarthmore.

*Abel Henry Huizinga (F), A. B. Hope Coll. 1880; Adj. Prof. McCormick Theol. Sem. 1894-96. **September* 11, 1905.

Toyokichi Iyenaga, Ph. B. Oberlin 1887.—Prof. Waseda Univ. Tokyo; Lecturer, Polit. Sci. Univ. of Chicago.

Thomas Logie (F), A. B. Toronto 1887; Asst. Prof. Williams 1890-93; Assoc. Prof. Rutgers 1893-98; late Prof. Romance Lang. Univ. of Cape Town.—Inspector of Schools for Cape Colony, Queenstown, S. Africa.

Hiram Benjamin Loomis (F), A. B. Trinity (Conn.) 1885; Instr. Univ. of Wis. 1890-93; Asst. Prof. Northwestern 1893-96, and Instr. in the Academy 1896-97; late Science Instr. Medill High School Chicago. —Glen Ellyn, Ill.

Herbert William Magoun (F), A. B. Iowa 1879; Acting Prof. Colo. Coll. 1890-91, Oberlin 1892-95; late Prof. Latin, Redfield Coll. — Cambridge, Mass.

John Hanson Thomas McPherson (F), A. B. 1886; Instr. Univ. of Mich. 1890-91.—Prof. Hist. Univ. of Ga. Athens.

Wilmot Vernon Metcalf, A. B. Oberlin 1883; Prof. Chem. and Phys. Carleton Coll. 1890-03.—West Williamsfield, Ohio.

Thomas Hunt Morgan (F), S. B. Ky. State Coll. 1886; Bruce Fellow 1890-91; Prof. Bryn Mawr 1891-04.—Prof. Exper. Zoology, Columbia.

Augustus Taber Murray (F), A. B. Haverford 1885; Prof. Earlham 1888-91, Colorado Coll. 1891-92.—Prof. Greek, Stanford Univ. Cal.

Wyatt William Randall, A. B. St. John's 1884; Asst. and Assoc. 1890-98.—Head Master, Mackenzie School, Dobbs Ferry, N. Y.

*George Mann Richardson (F), Lehigh (A. C. 1886, Instr. 1890-91); Assoc. Prof. and Prof. Organ. Chem. Stanford 1891-02. **July* 26, 1902.

Joseph Samuel Shefloe (F), A. B. Luther 1885. — Prof. Romance Lang. and Librarian, Woman's Coll. Balt.

Robert Benson Steele (F), A. B. Wis. 1883; Prof. St. Olaf 1890-91, Illinois Wesleyan 1891-01.—Adj. Prof. Latin, Vanderbilt, Nashville.

Andrew Stephenson, A. B. Ind. Asbury 1882; Assoc. Prof. Wesleyan 1890-94.—Prof. History, De Pauw, Greencastle, Ind.

Frederick Jackson Turner, A. B. Wis. 1884; Lecturer, Harvard 1903-04.—Prof. Amer. Hist. Univ. of Wis., Madison.

John Martin Vincent, A. B. Oberlin 1883; LL. D. Illinois Coll. 1904, Oberlin, 1908. — Prof. European Hist.

Shozaburo Watase (F), S. B. Sapporo Agric. 1884; Bruce Fellow 1889-90; Lecturer and Asst. Clark 1890-92; Reader and Asst. Prof. Chicago 1892-99. — Prof. Zoology, Univ. of Tokyo.

James Albert Woodburn (F), A. B. Indiana 1876.—Prof. Amer. Hist. Indiana Univ. Bloomington.

(33)

1891

Alfred Bagby, Jr., A. B. Richmond 1885; Adj. Prof. Greek, S. C. Univ. 1891-93.—Atty. at Law, Balt.

James William Black, A. B. 1888; Acting Prof. Georgetown, Ky. 1891-92; Assoc. Prof. Oberlin 1892-94.—Prof. Hist. Colby, Waterville, Me.

Charles Pliny Brigham, A. B. 1888. —Greenport, N. Y.

Charles Edward Coates, Jr., A. B. 1887; Prof. St. John's 1891-03.—Prof. Chem. La. State Univ. Baton Rouge.

Henry Newlin Stokes (F), S. B. Haverford 1879; Asst. Prof. Chem. Chicago 1893-94.—Chemist, Bureau of Standards, Washington.
Lewis Webb Wilhelm (F), A. B. 1880.—Vice-Prin. College Prep. School, Balt.
Arthur Yager, Georgetown, Ky. (A. B. 1878, Pres. and Prof. Hist.). (15)

1885

Edward Webster Bemis, Amherst (A. B. 1880, Instr. 1885-86); Adj. Prof. Polit. Econ. Chicago 1892-95.—Supt. City Water Works, Cleveland.
Gustav Bissing (F), A. B. 1882; Examiner, U. S. Patent Office 1884-97. —Patent Atty. New York.
Henry Herbert Donaldson (F), A. B. Yale 1879; Asst. 1883-84, Instr. and Assoc. 1885-89; Asst. Prof. Clark 1889-92; Prof. Chicago 1892-05.—Prof. Neurol. Univ. of Pa.
Louis Duncan, U. S. Naval Acad. 1880; Assoc. and Assoc. Prof. 1886-99; Prof. Mass. Inst. Tech. 1902-04. —Consulting Prof. Electric Traction, Brooklyn Polytech. Inst.
Homer Winthrop Hillyer (F), Wis. (S. B. 1882, Instr. 1885-98, late Asst. Prof. Organic Chem.).
Frederic Schiller Lee (F), St. Lawrence Univ. (A. B. 1879, Instr. 1886-87); Assoc. Bryn Mawr 1887-91.—Prof. Physiol. Columbia.
*Gustav Adolph Liebig, Jr. (F), A. B. 1882, Asst. 1887-90. **February* 10, 1897.
James Playfair McMurrich, A. B. Toronto 1879; Instr. 1884-86; Prof. Haverford 1886-89; Instr. Clark 1889-91; Prof. Cincinnati 1891-94, Univ. of Michigan 1894-07.—Prof. Anatomy, Univ. of Toronto.
Albert Gallatin Palmer (F), A. B. 1882; Asst. and Asst. Prof. Chem. Swarthmore 1885-87. — Norwood, Md.
Harry Fielding Reid (F), A. B. 1880; Prof. Case School, 1886-94; Assoc. Prof. Chicago 1893-97.—Prof. Geol. Physics.
Henry Alford Short, Columbia (A. B. 1880, Fellow 1880-83, Tutor 1883-88).
Morrison Isaac Swift (F), A. B. Williams 1879; Instr. Philos. Hobart 1882-84.
Henry Alfred Todd, A. B. Princeton 1876; Instr. and Assoc. 1883-91; Prof. Stanford 1891-93.—Prof. Romance Philol. Columbia. (13)

1886

William Shirley Bayley (F), A. B. 1883; Prof. Colby 1888-04.—U. S. Geol. Survey; Assoc. Prof. Geol. Univ. of Ill. Champaign.
*Adam Todd Bruce (F), A. B. Princeton 1881; Instr. Osteol. 1886-87. **February* 9, 1887.
Davis Rich Dewey (F), A. B. Univ. of Vt. 1879; Lecturer 1895-96.—Prof. Economics, Mass. Inst. Tech.
William Henry Emerson (F), U. S. Naval Acad. 1880; Prof. S. C. Mil. Acad. 1886-88.—Prof. Chem. Ga. School of Tech. Atlanta.
Joseph Auguste Fontaine, Instr. Univ. of Neb. 1887-89; Prof. Romance Lang. Univ. of Miss. 1889-91, Bryn Mawr, 1891-99.
Elgin Ralston Lovell Gould (F), A. B. Victoria (Ont.) 1881; Instr. Wash. High School 1884-87; Reader 1887-89; Lecturer, Columbia 1902-03. — Member, Alumni Council; President, City and Suburban Homes Co. New York.
William Penn Holcomb, Swarthmore (B. L. 1878, Prof. Hist. 1886-94).—Charlestown, N. H.
Joseph Jastrow (F), A. B. Univ. of Pa. 1882.—Prof. Psychol. Univ. of Wis.
George Theophilus Kemp (F), A. B. 1883; M. D. L. I. Med. Coll. 1891; Demonstr. Univ. of Pa. 1886-87; Assoc. and Assoc. Director, Hoagland Lab. 1888-89; Prof. Physiol. Univ. of Ill. 1889-08.
Charles Herbert Levermore (F), A. B. Yale 1879; Instr. Univ. of Cal. 1886-88; Prof. Hist. Mass. Inst. Tech. 1888-93.—Pres. Adelphi Coll. Brooklyn.
Gonzalez Lodge (F), A. B. 1883; LL. D. Franklin and Marshall 1901; Prof. Davidson 1886-88, Bryn Mawr 1889-1900.—Prof. Latin and Greek, Teachers Coll. Columbia Univ.
Charles William Emil Miller (F), A. B. 1882.—Assoc. Prof. Greek.
Henry Barber Nixon (F), Univ. of N. C. 1878.—Prof. Math. Pa. Coll. Gettysburg.
Charles Skeele Palmer (F), A. B. Amherst 1879; Prof. Chem. Univ. of Colo. 1886-02; Pres. Colo. Sch. of Mines 1902-03.—Assoc. Ed. *Engineering and Mining Journal*, N. Y.
Burr James Ramage, A. B. Newberry 1880; late Prof. Common Law and Dean, Law School, Univ. of the South.—Expert, Dept. of Commerce and Labor, Washington.
Shosuke Sato, S. B. Sapporo 1880.—Director and Prof. of Agric. Economics, Agric. Coll. Sapporo, Japan.
Woodrow Wilson (F), A. B. Princeton 1879; LL. D. Wake Forest 1887, Tulane 1898; Litt. D. Yale 1901; Assoc. and Assoc. Prof. Bryn Mawr 1885-88; Prof. Wesleyan 1888-90; Lecturer 1897-98, LL. D. 1902.—Pres. and Prof. Jurisprudence and Politics, Princeton. (17)

George Wilton Field, Brown Univ. (A. B. 1887, Assoc. Prof. 1893-96); Prof. R. I. Agric. Coll. 1896-01; Lecturer, Mass. Inst. Tech. 1891-04. — Zoologist, Mass. Board of Fisheries, Boston.

Joseph Elliott Gilpin, A. B. 1889.—Assoc. Chemistry.

John Leslie Hall (F).—Prof. English and Hist. William and Mary Coll. Williamsburg, Va.

William Asbury Harris (F), A. M. Richmond 1886; Acting Prof. Ripon 1892-93; Prof. Baylor 1893-01.—Prof. Greek, Richmond Coll. Va.

Frederick Clemson Howe, A. B. Allegheny 1889. — Atty.-at-Law, Cleveland; Prof. Baldwin Univ. O.

William Isaac Hull, A. B. 1889.—Prof. Hist. Swarthmore, Pa.

Harry Clary Jones (F), A. B. 1889. —Prof. Physical Chem.

James Lawrence Kellogg (F), Olivet (S. B. 1888, Prof. 1892-99).—Prof. Biology, Williams, Williamstown, Mass.

Charles Rollin Keyes (F), S. B. Iowa Univ. 1887; Prest. N. Mex. Sch. of Mines 1902-06. — Mining Engr. Des Moines, Iowa.

Elmer Peter Kohler (F), A. B. Muhlenberg 1886.—Prof. Chem. Bryn Mawr, Pa.

*Paul Erasmus Lauer (F), A. B. Adelbert 1885; Asst. Supt. of Schools, Cleveland, 1892-93. **February* 20, 1893.

Edwin Seelye Lewis (F), A. B. Wabash 1888; Inst. Asst. Prof. and Prof. Romance Lang. Princeton 1892-07.—Atty. at Law, N. Y.

David Judson Lingle (F), S. B. Chicago 1885.—Asst. Prof. Physiol. Chicago.

Alvin Frank Linn (F), A, B. Wittenberg 1884.—Prof. Chem. and Mineral. Wittenberg, Springfield, O.

James Alexander Lyman, A. B. Beloit 1888; Docent, Chicago 1892-93.—Inst. Chem. Portland Academy, Oregon.

John Hanson Thomas Main (F), A. B. Moore's Hill 1880; Iowa Coll. Grinnell (Acting Pres. 1900-02, Prof. Greek and Dean 1892-05, now Pres.).

Frank Jewett Mather, Jr. (F), Williams (A. B. 1889, Instr. 1892-1900).—Asst. Ed. *Evening Post*, N. Y.

Michael Andrew Mikkelsen (F), A. B. Luther 1886.—Asst. Ed. *Sun*, N. Y.

Robert Milton Parks, Jr., A. B. Indiana 1879; Prof. Furman 1892-93, Central (Ky.) 1893-1900. — Prof. Chem. Manual Train. School, Louisville.

Charles Lane Poor (F), S. B. N. Y. City Coll. 1886; Instr. Assoc. Assoc. Prof. 1891-99.—Prof. Astron. Columbia.

John Dyneley Prince (F), A. B. Columbia 1888; Prof. N. Y. Univ. 1892-02.—Prof. Semitic Lang. Columbia; Speaker, N. J. House of Representatives.

John Cunningham Robertson (F), A. M. Univ. of Va. 1885.—Prof. Greek, St. Stephen's, Annandale, N. Y.

*Charles Hunter Ross (F), S. B. Ala. Agric. 1886; Prof. Mod. Lang. Southwestern Univ. 1890-91, Ala. Polytech. 1892-1900. **February* 23, 1900.

Harry Luman Russell, S. B. Wis. 1888.—Prof. Bacteriol. and Dean, Coll. of Agric. Univ. of Wis.

William Amasa Scott, A. B. Rochester 1886.—Prof. Economic Hist. and Theory, and Director, Course in Commerce, Univ. of Wis. Madison.

William Bush Schober, A. B. St. John's 1885.—Prof. Chem. Lehigh.

Martin Bell Stubbs, A. B. Haverford 1888; Instr. Chem. Ursinus 1900-01.—U. S. Weather Bureau, New Orleans.

Harry Maas Ullmann, A. B. 1889; Hon. Fellow, Chicago 1892-93.—Asst. Prof. Chem. Lehigh, S. Bethlehem, Pa.

Bert John Vos (F), A. B. Mich. 1888; Instr. Chicago 1892-93; Assoc. and Assoc. Prof. 1893-08. —Prof. German, Indiana Univ. Bloomington. (37)

1893

Henry Harold Ballard, A. B. 1888, Instr. Rose Polytech. 1893-96; Princ. High School, Northport, N. Y. 1906-08.—Baltimore.

Florence Bascom, S. B. Wis. 1884; Instr. Ohio State Univ. 1893-95.—Prof. Geol. Bryn Mawr, Pa.

Jasper Luther Beeson, A. B. Univ. of Ala. 1889.—Prof. Chem. and Phys. Ga. Normal and Industrial Coll. Milledgeville.

Alexander Mitchell Carroll (F), Richmond (A. M. 1888, Prof. 1895-97); Reader 1898-99.—Prof. Class. Philol. George Washington Univ.

*Andrew Fuller Craven, LL. B. Chicago 1880; A. B. Harvard 1889; Prof. Politics and Econ. Columbian 1893-04. **March* 2, 1904.

John Bascom Crenshaw, A. M. Rand.-Macon 1881; Instr. 1893-99; Instr. Balt. City Coll. 1903-04.—Prof. German and French, Ga. Sch. of Tech. Atlanta.

Ulysses Sherman Grant (F), S. B. Univ. of Minn. 1888.—Prof. Geol. Northwestern Univ. Evanston, Ill.

David I. Green, A. B. Alfred Univ. 1885. — Supt. Organ. Charities, Hartford, Conn.

Jacob H. Hollander (F), A. B. 1891. —Prof. Polit. Economy.

Lorrain Sherman Hulburt, A. B. Wis. 1883; Prof. Univ. of S. Dak. 1887-91; Fellow, Clark 1891-92.—Collegiate Prof. Mathematics.

Masanobu Ishizaka, Ph. B. Albion 1891.—Lecturer, Hist. and Econ. Aoyama-Gaku-In, Tokyo.

Thomas Atkinson Jenkins, A. B. Swarthmore 1887; Prof. Vanderbilt 1895-1900, Swarthmore 1900-01.—Assoc. Prof. French, Chicago.

Christopher Johnston (F). Univ. of Va. (B. Litt. 1876, A. B. 1878, A. M. 1879); M. D. Univ. of Md. 1880. —Prof. Oriental Hist. and Archæology.

Emory Bair Lease (F), A. B. Ohio Wesleyan 1885; Prof. Allegheny 1894-96; Asst. Prof. Mich. 1896-99; Instr. Wesleyan (Conn.) 1899-01.—Instr. Latin, N. Y. City Coll.

Arthur Stanley Mackenzie (F), A. B. Dalhousie 1885; Prof. Bryn Mawr 1894-05.—Prof. Physics, Dalhousie, Halifax, N. S.

*Edward Payson Manning (F), A. B. Brown 1889; Instr. Math. St. Lawrence Univ. 1894-95. **February* 15, 1897.

Charles Carroll Marden, A. B. 1889; Instr. Mich. 1890-91.—Prof. Spanish.

Edward Bennett Mathews (F), A. B. Colby 1891.—Prof. Mineral. etc.; Asst. State Geologist of Maryland.

Philip Randle Moale, A. B. 1889.—Chemist, Asheville, N. C.

Constance Pessels, Univ. of Texas (B. L. 1886, late Instr. in English).—Instr. High School, San Antonio, Texas.

Jesse Siddall Reeves, S. B. Amherst 1891; Shaw Lecturer 1905-06.—Asst. Prof. Polit. Sci. Dartmouth, Hanover, N. H.

Arthur Percy Saunders (F), A. B. Toronto 1890; Instr. Wis. 1894-96; Asst. McGill 1898-99, Cornell 1899-1900.—Prof. Chem. Hamilton Coll. Clinton, N. Y.

Robert Lincoln Slagle, A. B. Lafayette 1887; Prof. and Pres. S. Dak. Sch. of Mines, 1897-05.—Pres. S. Dak. Agric. Coll. Brookings.

Rev. Daniel Gurden Stevens, Jr. (F), A. B. 1891; B. D. Crozer Theol. Sem. 1897.—Clergyman, Bordentown, N. J.

Frederick Henry Sykes (F), A. B. Toronto 1885; Prof. Western Univ. (Ont.) 1895-97; Lecturer 1900-02. —Director, Extension Teaching, and Prof. Teachers Coll. Columbia.

*Milo Scott Walker, Ph. D. Wooster 1899. **December* 30, 1903.

George Francis Weida (F), Prof. Blackburn 1894-96, Baker 1896-97, Kansas Agric. 1897-03, Ripon 1903-06.—Prof. Chem. Kenyon, Gambier, Ohio. (34)

1895

Rufus Mather Bagg, A. B. Amherst 1891; Asst. 1895-97; Acting Prof. Colo. Coll. 1898-99; late Prof. N. Mex. School of Mines.—Instr. Geol. Univ. of Ill. Urbana.

Thomas Stockham Baker (F), A. B. 1891, Asst. Instr. Assoc. Lecturer, German 1895-08.—Director, Tome Inst. Port Deposit, Md.; Member, Alumni Council.

James Curtis Ballagh, A. B. 1894; LL. D. Univ. of Ala. 1906.—Assoc. Prof. American Hist.

Daniel Base, A. B. 1891.—Assoc. Prof. Chem. Md. Coll. of Pharmacy and Coll. of P. and S. Balt.

Henry Marvin Belden, A. B. Trinity (Conn.) 1888. — Prof. English, Univ. of Missouri, Columbia.

Arthur Fisher Bentley (F), A. B. 1892.—Chicago.

Samuel Walker Beyer (F), S. B. Iowa Agric. 1889.—Assoc. Prof. Geol. Iowa Agric. Coll. Ames.

*William Bromwell, A. B. 1888; Instr. Chem. Pratt Inst. Brooklyn, 1896-98. **September* 30, 1898.

Clarence Griffin Child (F), A. B. Trinity (Conn.) 1886.—Prof. English and Dean, Faculty of Philos. Univ. of Pa.

Fonger DeHaan (F), Asst. Instr. Assoc. 1894-97.—Prof. Spanish, Bryn Mawr, Pa.

Charles Sumner Estes, A. B. Colby 1884; Prof. Furman 1896-98.—Instr. Latin, Erasmus Hall High School, Brooklyn.

Henry Fay, A. B. Lafayette 1889.—Prof. Anal. Chem. Mass. Inst. Tech. Boston.

Henry Stewart Gane (F), A. B. Amherst 1891.—U. S. Geol. Survey, Washington.

George William Gray, A. B. 1890.—Chemist, Standard Oil Co. Whiting, Ind.

John Joseph Griffin, A. B. Ottawa Univ. 1881.—Prof. Chem. Catholic Univ. D. C.

William August Haussmann (F), A. B. 1892.—Instr. German, Central High Sch. Phila.

John Haynes, A. B. Williams 1888; Prof. Hist. Norwich Free Acad. 1895-99.—Junior Master, High School, Dorchester, Mass.

Samuel Rivers Hendren, A. B. Wash. and Lee 1892.—Staunton, Va.

Howard Haynes Higbee, A. B. Yale 1884; Instr. Tufts 1895-96; Prof. Hamilton 1896-1900.—Prof. Chem. and Phys. Antioch Coll. Yellow Springs, O.

Rockwell Dennis Hunt, Ph. B. Napa Coll. 1890; Prof. Hist. Univ. of the Pacific 1895-01.—Princ. High School, San Jose, Cal.

Joseph Rufus Hunter, A. B. Wake Forest 1885; Prof. Chem. Richmond Coll. 1895-05.—Raleigh, N. C.

Edwin Grant Conklin (F), Ohio Wesleyan (S. B. 1885, Prof. 1891-94); Prof. Northwestern 1894-95, Univ. of Pa. 1895-08.—Prof. Biol. Princeton.

Paul Joseph Dashiell, A. B. 1887; Instr. Lehigh 1889-90, 1891-92.—Prof. Math. U. S. N.; Instr. Chem. U. S. Naval Acad.

Herman Louis Ebeling (F), A. B. 1882; Prof. Miami 1891-99; Instr. and Acting Prof. Haverford 1901-03.—Asst. Prof. Greek, Hamilton, Clinton, N. Y.

William Snyder Eichelberger (F), A. B. 1886; Instr. Wesleyan 1891-96.—Prof. Math. U. S. Naval Observatory, Wasn.

Thomas Perrin Harrison (F), S. C. Mil. Acad. 1886; Assoc. Prof. Clemson 1891-95.—Prof. English, Davidson, N. C.

Walter Jones, A. B. 1888; Acting Prof. Wittenberg 1891-92; Instr. and Prof. Purdue 1892-95.—Prof. Physiol. Chem.

Henry Parker Manning (F), A. B. Brown 1883.—Assoc. Prof. Math. Brown Univ. Providence.

George Frederick Metzler, A. B. Albert Coll. 1880; Instr. Univ. of Mich. 1892-93, Queen's Univ. Ont. 1895-96.

William McCracken Milroy, A. B. Geneva 1887.—Prof. Latin, Geneva Coll. Beaver Falls, Pa.

John Leverett Moore (F), Princeton (A. B. 1881, Tutor 1882-85); Instr. 1888-89.—Prof. Greek and Latin, Vassar, Poughkeepsie, N. Y.

Wilfred Pirt Mustard (F), A. B. Toronto 1886; Prof. Colorado Coll. 1891-93, Haverford 1893-07.—Collegiate Prof. Latin.

Barker Newhall (F), A. B. Haverford 1887; Instr. Brown 1892-93, Bates Coll. 1895-96.—Prof. Greek, Kenyon Coll. Gambier, O.

George Petrie, A. M. Univ. of Va. 1887.—Prof. Hist. Ala. Polytech. Auburn.

Edward Bennett Rosa (F), Wesleyan (S. B. 1886, Prof. 1891-03).—Chief Physicist, Bureau of Standards, Washington; Prof. George Washington Univ.

Edward Alsworth Ross, A. B. Coe Coll. 1886; Prof. Indiana 1891-92; Assoc. Prof. Cornell 1892-93; Prof. Stanford 1893-1900, Nebraska Univ. 1901-05.—Prof. Sociol. Univ. of Wis., Madison.

Charles Edward Saunders (F), A. B. Toronto 1888; Prof. Central (Ky.) 1891-93.—Cerealist, Ottawa, Can.

*Sidney Sherwood, A. B. Princeton 1879; Instr. Univ. of Pa. 1891-92; Assoc. and Assoc. Prof. Polit. Econ. 1892-01. **August* 5, 1901.

Moses Stephen Slaughter (F), A. B. Ind. Asbury 1883; Instr. Bryn Mawr 1887-88; Prof. Iowa Coll. 1889-96.—Prof. Latin. Univ. of Wis., Madison.

Bernard Christian Steiner (F), A. B. Yale 1888; LL. B. Univ. of Md. 1894; Instr. Williams 1891-92; Prof. Balt. Univ. School of Law 1897-1900; Dean and Prof. Balt. Law School 1900-04.—Librarian, Enoch Pratt Library; Assoc. English Hist. Jurisprudence.

William Howe Tolman, A. B. Brown 1882.—Director, Amer. Inst. of Social Service, N. Y.

Stephen Beauregard Weeks, A. B. N. C. Univ. 1886; LL. D. Wake Forest 1902; Prof. Trinity (N. C.) 1891-93.—Greensboro, N. C.

John White, Jr. (F), A. B. 1888; Asst. Cornell 1891-93; Prof. Univ. of Neb. 1893-03.—Prof. Chem. Rose Polytech. Terre Haute, Ind.

Westel Woodbury Willoughby (F), A. B. 1888; Acting Asst. Prof. Stanford 1894-95. — Prof. Polit. Science.

Arthur Burnham Woodford, Ph. B. Yale 1881; Indiana Univ. (A. M. 1886, Prof. 1885-89); Instr. Univ. of Pa. 1891-92; Prof. Sch. of Soc. Econ. N. Y. 1892-96; Lecturer, New York Univ. 1895-98.—Instr. Hopkins Gram. Sch. New Haven.

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1892

Eugene Thomas Allen, A. B. Amherst 1887; Acting Prof. Univ. of Colo. 1892-93; Asst. Harvard 1894-95; Prof. Mo. School of Mines 1895-01; U. S. Geol. Survey, 1901-07.—Research Chemist, Geophys Lab. Carnegie Inst. Wash.

William Wilson Baden (F), A. B. 1881; LL. B. Univ. of Md. 1883; Prof. Southwestern Univ. 1892-93, Central (Ky.) 1893-96. — Prof. Greek, etc., Idaho Univ. 1896-07.

Robert Payne Bigelow (F), S. B. Harvard 1887; Bruce Fellow 1891-93.—Instr. Biology and Librarian, Mass. Inst. Tech., Boston.

Edwin Winfield Bowen, A. B. Randolph-Macon 1887; Asst. Prof. Univ. of Mo. 1892-93.—Prof. Latin, Randolph-Macon, Ashland, Va.

Immanuel Moses Casanowicz.—Aid. Div. of Historic Archæol. U. S. Nat. Museum, Washington.

Starr Willard Cutting, A. B. Williams 1887.—Prof. German Lit. Chicago.

Rev. William Levering Devries (F), A. B. 1888; S. T. B. Gen. Theol. Sem. (N. Y.) 1894.—Clergyman, Washington.

Albert Bernhardt Faust (F), A. B. 1889, Instr. 1894-96; Assoc. Prof. Wesleyan 1896-03; Asst. Prof. Univ. of Wis. 1903-04.—Asst. Prof. German, Cornell.

Edson Fessenden Gallaudet, Yale (A. B. 1893, Instr. Physics 1897-1900).—Engineer, Dayton, O.

William Francis Gallaway (F), A. B. 1891.—Princ. Chatham Acad. Savannah, Ga.

Frederick Stearns Hollis, S. B. Mass. Inst. Tech. 1890; Instr. Yale 1900-05.—Instr. General and Med. Chem. Tufts Coll. Mass.

Reid Hunt (F), A. B. 1891, Assoc. and Assoc. Prof. 1898-03; M. D., P. and S. (Balt.) 1896; Tutor, Columbia 1896-98.—Pharmacologist, Bureau of Public Health, Wash.

Charles William Leverett Johnson (F), A. B. 1891; Instr. Yale 1897-1900, Princeton 1900-03.—Balt.

Oliver Martin Johnston (F), A. B. Miss. Coll. 1890; Lecturer, Bryn Mawr 1896-97.—Asst. Prof. Romanic Lang. Stanford.

Frederick Robertson Jones, Western Md. (A. B. 1892, Instr. 1896-97); Instr. and Asst. Prof. Union 1897-02; Assoc. Economics, Bryn Mawr 1902-06.—New York.

James Pinckney Kinard, S. C. Mil. Acad. 1886.—Prof. English, Winthrop Coll. Rock Hill, S. C.

Henry McElderry Knower (F), A. B. 1890, Bruce Fellow 1895-96; Instr. Williams 1896-97.—Assoc. Anatomy; Sec. and Co-Editor *Amer. Jour. of Anatomy*.

Gordon Jennings Laing (F), A. B. Toronto 1891; Fellow, Amer. Sch. of Class. Studies, Rome 1896-97; Reader and Lecturer, Bryn Mawr 1897-99.—Asst. Prof. Latin, Chicago.

George Lefevre (F), A. B. 1891, Bruce Fellow 1895-97, Asst. 1897-98.—Prof. Zool. Univ. of Mo. Columbia.

Ebenezer Mackay (F), A. B. Dalhousie 1886.—Prof. Chem. and Mineral. Dalhousie, Halifax, N. S.

Raphael Monroe McKenzie, S. B. New York Univ. 1890; Instr. Univ. of Cincinnati 1898-99; late Instr. Chem. Stevens Inst. of Tech.

Henry Ludwell Moore (F), A. B. Rand.-Macon 1892; Instr. 1896-97; Prof. Smith Coll. 1897-02.—Prof. Pol. Econ. Columbia.

Franklin Lafayette Riley (F), A. B. Miss Coll. 1889; Pres. Hillman Coll. 1896-97.—Prof. Hist. Univ. of Miss.

Brantz Mayer Roszel (F), A. B. 1889; Instr. Wash. High School 1896-03; Head Master, Sewanee Gram. School 1903-08.—Princ. Shenandoah Valley Acad. Winchester, Va.

Herbert Armistead Sayre, B. E. Univ. of Ala. 1893; Prof. Ursinus Coll. 1896-98.—Prof. Physics, Univ. of Ala.

Frederick George Gottlob Schmidt (F), Acting Prof. Cornell Coll. 1896-97.—Prof. Mod. Lang. Univ. of Oregon, Eugene.

Thomas Stanley Simonds, A. B. Harvard 1884; Prof. Hobart 1897-99, Trinity (Conn.) 1899-01; Instr. Univ. of Cal. 1901-02.—New York.

George Otis Smith (F), A. B. Colby 1893.—Director, U. S. Geol. Survey, Washington.

Michael Druck Sohon, Lehigh (A. C. 1890, M. S. 1894, Instr. 1896-97).—Instr. Chem. Morris High School, N. Y.

Francis Edgar Sparks, A. B. 1893.—Atty. at Law, Balt.

*Frederic William Speirs, S. B. Worcester Polytech. 1888; Prof. Drexel Inst. 1893-98; Prof. Manual Train. School, Phila. 1898-01; Lecturer, Swarthmore 1903-04. **May* 17, 1905.

Arthur Coe Spencer, S. B. Case School 1892.—U. S. Geol. Survey, Wash.

Thomas Hardy Taliaferro (F), C. E. Va. Mil. Inst. 1890; Instr. Pa. State Coll. 1896-01; Pres. Univ. of Fla. 1901-04; Acting Prof. Physics, Md. Agric. Coll. 1906-07.—Expert, Census Bureau, Wash.

John Thorne, A. B. Denison 1885.—Baltimore.

Harry Langford Wilson (F), Queen's, Ont. (A. B. 1887, LL. D. 1903); Prof. Latin, Amer. Sch. of Class. Studies, Rome 1906-07.—Prof. Roman Archæology and Epigraphy. (36)

1897

Gellert Alleman, S. B. Pa. Coll. 1893; Instr. Univ. of Me. 1897-98, Washington Univ. 1898-02.—Prof. Chem. Swarthmore, Pa.

Edward Cooke Armstrong (F), A. B. Rand.-Macon 1890.—Prof. French Philology.

Byron Briggs Brackett, A. B. Syracuse 1890; Proficient in Elec. 1895; Instr. Union 1897-98, Wash. High School 1898-1900, Rutgers 1900-03.—Prof. Physics, etc. Clarkson School of Tech. Potsdam, N. Y.

James Morton Callahan (F), A. B. Indiana 1894; Acting Prof. Hamilton 1897-98; Lecturer, 1898-01.—Prof. Hist. and Pol. Sci. West Va. Univ. Morgantown.

Hubert Lyman Clark (F), Amherst (A. B. 1892, Instr. 1897-99); Prof. Olivet 1899-05.—Asst. Invert. Zool. Harvard.

Frank Hollinger Clutz (F), Midland Coll. (A. B. 1892, late Instructor).

*Franklin Story Conant (F), A. B. Williams 1893; Bruce Fellow 1897. **September* 13, 1897.

William Scofield Day, Columbia (A. B. 1884, Lecturer, Physics), N. Y.

Noah Ernest Dorsey (F), A. B. 1893, Asst. and Assoc. 1897-1901.—Physicist, Bureau of Standards, Wash.

Pelham Edgar (F), A. B. Toronto 1892.—Prof. French, Victoria Univ. Toronto.

Samuel Eagle Forman, A. B. Dickinson 1887; Lecturer 1900-01; Prof. English, Balt. City Coll. 1900-01. —Washington.

William Ritchie Fraser, A. B. Dalhousie 1882.—Lecturer, Greek, McGill Univ. Montreal.

Edwin Luther Green (F), A. B. Wash. and Lee 1892; Prof. Central (Ky.) 1898-99; Acting Prof. Iowa Coll. 1899-1900.—Adj. Prof. Ancient Lang. S. Carolina Univ. Columbia.

Arthur Sewall Haggett (F), A. B. Bowdoin 1893.—Prof. Greek, Univ. of Washington, Seattle.

William Edwards Henderson (F), A. B. Wooster 1891; Prof. Ohio Univ. 1897-99.—Asst. Prof. Anal. Chem. Ohio State Univ. Columbus.

William Jackson Humphreys (F), A. B. Wash. and Lee 1886; Instr. Univ. of Va. 1897-05.—Director, U. S. Meteor. Observ. Bluemont, Va.

Rev. Bartlett Burleigh James, Western Md. (A. B. 1891, Acting Prof. Psychol. etc. 1902-03); B. D. Westminster (Md.) Theol. Sem. 1892. —Clergyman, Balt.

Duncan Starr Johnson (F), S. B. Wesleyan 1892; Bruce Fellow, 1897-98.—Prof. Botany.

Edwin Wexler Kennedy, A. B. Univ. of Tenn. 1880; Instr. Woman's Coll. Balt. 1895-97.—Prof. Amer. Hist. and Econ. Peabody Normal Coll. Nashville, Tenn.

Francis Plaisted King (F), A. B. Colby 1890; Asst. State Geologist of Georgia 1893-96.—Portland, Me.

Omera Floyd Long (F), A. B. Ky. Wesleyan 1890.—Assoc. Prof. Latin, Northwestern Univ. Evanston, Ill.

William Tyler Mather (F), A. B. Amherst 1896; Asst. 1897.—Prof. Physics, Univ. of Texas, Austin.

John McLaren McBryde, Jr. (F), A. B. Univ. of S. C. 1890; Prof. Hollins Inst. Va. 1897-1903; Assoc. Prof. English, Univ. of N. C. 1904-05.—Acting Dean, Sweetbriar Inst. Amherst, Va.

John Frederick Mohler (F), Dickinson (A. B. 1884, Prof. Physics), Carlisle, Pa.

Charles Patrick Neill, A. B. Georgetown (D. C.) 1891; Prof. Pol. Econ. Catholic Univ. 1897-05.—U. S. Commissioner of Labor, Washington; Member, Alumni Council.

Robert Stewart Norris, S. B. Univ. of Cal. 1892.—Chemist, H. S. P. A. Exper. Sta. Honolulu, T. H.

Philip Ogden, A. B. Cornell 1891.—Assoc. Prof. French Lit.

Nathan Allen Pattillo, S. B. Southern Univ. 1887; Prof. Ala. Normal Coll. 1897-99.—Prof. Math. Randolph-Macon Woman's Coll. Lynchburg, Va.

Alexander Pell (F), late Prof. Univ. of S. Dakota.—Prof. Math. Armour Inst. Chicago.

*Charles Dabney Ragland (F), Rand.-Macon (A. B. 1889, Prof. Chem. 1897-1900). **October* 30, 1900.

Milton Reizenstein, A. B. 1894.—Supt. Hebrew Educ. Soc. Brooklyn.

Frank Roy Rutter (F), A. B. 1894; Lecturer, Columbian 1901-02, Iowa Univ. 1903-04.—Dept. of Agric. Washington.

John Adams Scott (F), Northwestern (A. B. 1891, Prof. Greek), Evanston, Ill.

George Burbank Shattuck (F), S. B. Amherst 1892; Asst. Assoc. Assoc. Prof. 1897-05.—Prof. Geology, Vassar, Poughkeepsie, N. Y.

George Shipley, A. B. Rand.-Macon 1887.—English Master, Boys' Latin Sch.; Editor *Baltimore Americas*.

Charles Peter Sigerfoos, S. B. Ohio State Univ. 1889; Asst. 1895-97.—Prof. Zool. Univ. of Minn. Minneapolis.

Enoch Walter Sikes, A. M. Wake Forest 1891.—Prof. Polit. Sci. and Hist. Wake Forest, N. C.

William Bull Stoddard, S. B. Colo. Univ. 1894; Asst. Chem. Colo. Sch. of Mines, 1897-98.—Boulder, Colo.

Hugo Paul Thieme, A. B. 1893; Asst. Prof. Earlham 1897-98; Lecturer 1900-01.—Asst. Prof. French, Univ. of Mich. Ann Arbor.

George Washington Ward, Western Md. (A. B. 1890, Prof. Hist. 1893-05).—Princ. State Normal Sch. Balt.

Louis Napoleon Whealton, A. B. Western Md. 1892; LL. B. Univ. of Md. 1897.—Atty. at Law, N. Y.

Charles Francis Woods, Jr. A. B. 1891; Prof. Woman's Coll. Richmond 1897-99; Instr. Swarthmore 1899-1900, Pa. Coll. 1900-02, Univ. of Colo. 1902-04.—Instr. Mod. Lang., Lehigh. (42)

1898

Cleveland Abbe, Jr. (F), A. B. Harvard 1894; Prof. Nat. Sci. Western Md. 1898-99, Winthrop 1899-01. —U. S. Weather Bureau, Wash.

Howard Bell Arbuckle, A. B. Hampden-Sidney 1889.—Prof. Nat. Sci. Agnes Scott Coll. Decatur, Ga.

Arthur Henry Baxter, A. B. 1894.—Asst. Prof. Romance Lang. Amherst.

Ernest Julius Becker, A. B. 1894; Prof. Woman's Coll. Richmond, 1899-01.—Prof. Mod. Lang. Balt. City Coll.

Charles Hillman Brough (F), Miss. Coll. (A. B. 1894, Prof. 1898-01); LL. B. Univ. of Miss. 1902; Prof. Hillman Coll. 1902-03.—Prof. Econ. and Sociol. Univ. of Ark. Fayetteville.

Murray Peabody Brush, A. B. Princeton 1894; Instr. Ohio State Univ. 1898-99.—Assoc. Prof. French.

Killis Campbell (F), A. B. William and Mary 1894.—Adj. Prof. English, Univ. of Texas, Austin.

Charles Gilpin Cook, S. B. Haverford 1892.—Science Instr. High School, Brooklyn.

Frederick Henry Duryea Crane, A. B. Union 1893.—Anal. Chemist, N. Y.

Gilman Arthur Drew (F), S. B. Iowa Univ. 1890; Bruce Fellow 1898, Asst. 1898-1900.—Prof. Biol. Univ. of Maine, Orono.

William Alexander Eckels, A. B. Dickinson 1883; Prof. Ripon 1891-93, Miami Univ. 1893-07; Acting Asst. Prof. Univ. of Tenn. 1907-08.

John Elesland, A. B. Univ. of S. Dak. 1891; Prof. Thiel Coll. 1898-03; Instr. U. S. Naval Acad. 1903-07. —Prof. Math. West Va. Univ. Morgantown.

Charles Wilson Greene (F), Stanford (A. B. 1892, Asst. Prof. 1898-1900).—Prof. Physiol. Univ. of Mo. Columbia.

James Graham Hardy (F), A. B. Lafayette 1894.—Asst. Prof. Math. Williams, Williamstown, Mass.

Lancelot Minor Harris, A. B. Wash. and Lee 1888; Instr. and Asst. Prof. Indiana Univ. 1894-98.—Prof. English, Charleston Coll. S. C.

*Caleb Notbohm Harrison, Univ. of Wis. (B. C. E. 1882, Acting Prof. 1899-1900). **October* 11, 1904.

Charles Hoeing (F), A. B. Ky. State Coll. 1890.—Asst. Prof. Latin, Univ. of Rochester, N. Y.

William App Jones (F), A. B. Wake Forest 1893.—Anal. Chemist, N. Y.

Percy Lewis Kaye, Iowa Univ. (A. B. 1895, Instr. 1898-1900); Instr. Coe Coll. 1900-01.—Instr. Hist. Balt. City Coll.

Samuel Shipman Kingsbury, A. B. Marietta 1893.

Guy Carleton Lee (F), LL. B. Univ. of N. C. 1894; A. B. and LL. M. Dickinson 1895; Instr. Hist. 1898-04.

Arthur Gray Leonard, A. B. Oberlin 1889; Acting Prof. Univ. of Mo. 1899-1900.—Asst. Prof. Geol. Univ. of N. Dak.; State Geologist, Grand Forks.

Charles Elwood Mendenhall (F), S. B. Rose Polytech. 1894; Instr. Williams 1898-01.—Prof. Phys. Univ. of Wis. Madison.

Samuel Alfred Mitchell (F), A. M. Queen's (Ont.) 1894; Fellow, Chicago 1898-99.—Adj. Prof. Astron. Columbia.

Cleophas Cisney O'Harra, A. B. Carthage 1894.—Prof. Geol. S. Dak. Sch. of Mines, Rapid City.

Daniel Allen Penick (F), A. B. Texas 1891.—Adj. Prof. Latin and Greek, Univ. of Texas, Austin.

Thomas Dobbin Penniman, A. B. 1892.—Electr. Engr. Balt.

Charles William Peppler (F), A. B. 1892.—Prof. Greek, Emory Coll. Oxford, Ga.

Ebenezer Emmet Reid (F), A. M. Richmond 1892; Prof. Chemistry, Charleston Coll. 1898-01, Baylor Univ. 1901-08.—Johnston Scholar.

*Edward Rhoads, S. B. Haverford 1893; Instr. Physics, Worcester Polytech. 1898-1900, Haverford 1900-03. **July* 4, 1903.

Garnett Ryland, A. M. Richmond 1892; Instr. and Asst. Prof. Univ. of Me. 1898-01; Prof. Converse Coll. 1901-03.—Prof. Chem. and Phys. Georgetown Coll. Ky.

William Berney Saffold (F), A. B. Ala. 1887.—Prof. Greek and Latin, Univ. of Ala.

Aristogeiton Marcus Soho, Prof. St. John's 1894-02.—Prof. French and Spanish, Balt. City Coll.

Charles William Waldner (F), Profic. in Elec. 1892, A. B. 1896, Asst. 1898-99; Instr. Williams 1899-01.—Physicist, Bureau of Standards, Wash.

Richard Henry Wilson, A. B. 1892, Instr. 1898-99.—Prof. Romance Lang. Univ. of Va.

Albert Francis Zahm, A. M. Notre Dame 1885.—Assoc. Prof. Mechanics, Catholic Univ. D. C. (36)

1899

Thomas Sewell Adams (F), A. B. 1896.—Asst. Prof. Econ. Univ. of Wis. Madison.

John William Basore (F), Hampden-Sidney (A. B. 1893, Prof. 1899-1900); Instr. Univ. of Cal. 1901-05.—Preceptor, Classics, Princeton.

Edward William Berger, Baldwin Univ. (Ph. B. 1894, Prof. 1899-01); Science Instr. Cleveland High Sch. 1901-02.—Zoologist, Fla. Agric. Exper. Sta. Gainesville.

William Noland Berkeley, S. B. St. John's 1896.—Instr. Chem. U. S. Naval Acad. Annapolis.

Pierce Butler (F), A. B. Tulane 1892; Instr. Univ. of Texas 1900-02.—Prof. History, Tulane Univ. New Orleans.

Horace Greeley Byers, A. B. and S. B. Westminster (Pa.) 1895.—Prof. Chem. Univ. of Wash. Seattle.

Joseph Scudder Chamberlain (F), S. B. Iowa Agric. 1890; Instr. Oberlin 1899-01.—Chemist, Dept. of Agric. Washington.

Francis Whittemore Cragin, S. B. Harvard 1882.—Prof. Geol. Colorado Coll. Colo. Springs.

George Vail Edwards, A. B. Hamilton 1891; late Prof. Olivet Coll. —Instr. Latin, Coll. City of N. Y.

James Rees Ewing, A. B. Ohio Wesleyan 1890.—Washington, D. C.

Oliver Lanard Fassig, S. B. Ohio State 1882; Instr. and Assoc. 1897-09.—Section Director, U. S. Weather Bureau, San Juan, P. R.

Hardee Chambliss, Va. Mil. Inst. 1894; M. S. Vanderbilt 1899.—Chemist, General Chem. Co. N. Y.

William Sidney Drewry, A. B. Univ. of Va. 1893; Instr. Hist. Mo. Univ. 1900-02.—Richmond, Va.

James Edwin Duerden, Assoc. Royal Coll. of Sci. London 1899; Curator, Inst. of Jamaica 1895-01; Bruce Fellow 1901-02; Acting Prof. Univ. of N. C. 1902-03; Instr. Univ. of Mich. 1903-05.—Prof. Zool. Rhodes Univ. Coll. Grahamtown, Cape Colony.

Luther Pfahler Eisenhart (F), A. B. Pa. Coll. 1896.—Preceptor, Math. Princeton.

*Herbert Baldwin Foster (F), A. B. Harvard 1895; Acting Prof. St. Stephen's, 1900-01, Lehigh, 1904-05; Prof. Greek, Univ. of S. Dak. 1901-04. **June* 5, 1906.

William Linwood Foushee, (F), A. M. Wake Forest 1894; Acting Prof. Mercer 1900-01.—Prof. Latin, Richmond Coll. Va.

Wightman Wells Garner, A. B. Univ. of S. C. 1896; late Instr. Chem. Tufts Coll.—Chemist, Washington.

Clyde Chew Glascock (F), Univ. of Va. 1892.—Asst. Prof. German, Yale.

Lawrence Edmonds Griffin (F), A. B. and Ph. B. Hamline 1895; Bruce Fellow 1900; Instr. Adelbert 1900-02.—Prof. Biol. Mo. Valley Coll. Marshall, Mo.

Rev. Adolph Guttmacher, A. B. Cincinnati 1887.—Rabbi, Balt.

Sivert N. Hagen (F), A. B. Luther 1896; Instr. Iowa Univ. 1900-04.—Instr. Engl. and German, Vanderbilt, Nashville, Tenn.

Joseph Cawdell Herrick (F), A. B. Univ. of Va. 1896.—Instr. Sciences, St. Joseph's Sem. Yonkers, N. Y.

David Wilbur Horn, A. B. Dickinson 1897; Assoc. and Assoc. Prof. Bryn Mawr 1900-07.—Prof. Chem. Central Manual Trg. Sch. Phila.

William Bashford Huff, A. B. Wis. 1889; A. M. Chicago 1896; Asst. and Instr. 1900-02.—Assoc. Prof. Physics, Bryn Mawr, Pa.

*Julian Huguenin (F), A. B. Charleston 1895; Acting Prof. English, Univ. of La. 1900-01. **February* 19, 1901.

Walter Hullihen (F), A. B. Univ. of Va. 1896.—Prof. Latin, Univ. of Chattanooga, Tenn.

Robert Edmund Humphreys, A. B. Emory and Henry 1889.—Chemist, Standard Oil Co. Whiting, Ind.

Charles Ranald MacInnes, Queen's, Ont. (A. M. 1896, Instr. 1900-02); Lecturer Math. Manitoba Coll. 1902-03; Director of Gymnasium 1903-05.—Preceptor, Math. Princeton.

William Starr Myers, A. B. Univ. of N. C. 1897.—Preceptor, Hist. etc. Princeton.

John Charles Olsen (F), A. B. Knox 1890.—Prof. Anal. Chem. Brooklyn Polytech. Inst.

Austin McDowell Patterson, A. B. Princeton 1897; Instr. Chem. Centre Coll. 1900-01, Rose Polytech. 1901-03.—Instr. Chem. Univ. of Ill., Urbana.

Louis Maxwell Potts, A. B. Wash. and Jeff. 1896.—Chief Engr. Rowland Tel. Co. Balt.

George Lovic Pierce Radcliffe, A. B. 1897; Instr. Hist. Balt. City Coll. 1901-02.—First Vice-Pres. Amer. Bonding Co., Balt.; Sec. Alumni Council.

Albert Moore Reese, A. B. 1892; Prof. Allegheny 1901-02; Assoc. Prof. Syracuse 1902-07.—Prof. Zool. West Va. Univ. Morgantown.

Herbert Meredith Reese (F), A. B. 1897; Asst. Lick Observ. 1900-03, Yerkes Observ. 1903-04.—Asst. Prof. Physics, Univ. of Mo. Columbia.

Rev. William Rosenau, A. B. Cincinnati 1888.—Rabbi, Balt.; Assoc. Hebrew.

*Richard Burton Rowe (F), Ph. B. Union 1896; U. S. Geol. Surv. 1900-02. **May* 26, 1902.

James Eustace Shaw (F), A. B. 1896.—Assoc. Italian.

Ernest Ashton Smith, A. B. Ohio Wesleyan 1888; Shaw Lecturer 1907-08.—Prof. Hist. and Econ. Allegheny Coll. Meadville, Pa.

Elisha Chisholm Walden, A. B. Ohio Wesleyan 1892.

Charles Clinton Weaver (F), A. B. Trinity, N. C. 1895; Pres. Rutherford Coll. 1900-03.—Prof. Hist. Davenport Coll. Lenoir, N. C.

(35)

1901

Herbert Thompson Archibald (F), A. B. Dalhousie 1897.—Prof. Greek, Occidental Coll. Los Angeles, Cal.

George Ernest Barnett (F), A. B. Rand.-Macon 1891.—Assoc. Prof. Polit. Econ.

Robert Montgomery Bird, A. B. Hampden-Sidney 1897; Asst. Prof. Miss. Agric. 1901-02, Univ. of Mo. 1902-07.—Collegiate Prof. Chem. Univ. of Va.

Jay Allen Bonsteel, S. B. Cornell 1896.—Geologist, Dept. of Agric. Washington.

Lyman James Briggs, S. B. Mich. Agric. 1893; M. S. Mich. Univ. 1895.—Physicist, Dept. of Agric. Washington.

George Dobbin Brown (F), A. B. 1895; Acting Prof. Univ. of Vt. 1901-02.—Instr. English, Princeton.

Benjamin Palmer Caldwell (F), Tulane (A. B. 1893, B. E. 1895, Ch. E. 1897).—Asst. Prof. Chem. Tulane, New Orleans.

George Olaf Berg (F), St. Olaf (A. B. 1899, Acting Prof. 1905-06).—Prof. Greek, Wittenberg Coll. Springfield, O.

Benjamin Franklin Carver, S. B. Pa. Coll. 1900.—Chemist, Standard Oil Co. Whiting, Ind.

Henry Augustus Converse, A. B. Hampden-Sidney 1893; Instr. 1903-04; Prof. Davis and Elkins Coll. 1906-08.—Instr. Math. Balt. Polytech. Inst.

Rev. John P. Coony, Asst. St. Louis Univ. 1903-04.—Prof. Chem. Marquette Coll. Milwaukee.

Frank Linley Critchlow, Princeton (A. B. 1896, Preceptor, Mod. Lang.)

Charles Keyser Edmunds (F), A. B. 1897.—Prof. Physics and Pres. Christian Coll. Canton, China.

Philip Howard Edwards (F), A. B. St. John's 1898. — Instr. Latin, Balt. City Coll.

Frederick Hutton Getman (F), Instr. N. Y. City Coll. 1904-05, High Sch. Stamford, Conn. 1905-07; Lecturer, Physics, Columbia 1907-08.

William Elford Gould, A. B. Columbia 1879; Instr. Spanish, Univ. of Tenn. 1906-07.—Flushing, N. Y.

Philip Warner Harry, A. B. 1898; Instr. Univ. of Me. 1901-02, Cincinnati, 1903-06. — Instr. French, Northwestern Univ. Evanston, Ill.

Yukimasa Hattori (F), Tokyo Coll. of Sci. 1898.—Economic Expert, Nat. Bank of Japan, Tokyo.

John Gale Hun (F), A. B. Williams 1899.—Preceptor Math. Princeton.

Albert Johannsen (F), S. B. Univ. of Utah 1898.—U. S. Geol. Survey, Wash.

Thomas Madison Jones, Rand.-Macon, Ashland, Va. (A. B. 1894, Prof. Greek).

George Wiles Middlekauff, A. B. Franklin and Marshall 1891. — Physicist, Bureau of Standards, Wash.

Benjamin Leroy Miller (F), A. B. Kansas Univ. 1897; A. M. Penn Coll. 1898; Assoc. Bryn Mawr 1903-07. — Prof. Geol. Lehigh, S. Bethlehem, Pa.

Joseph Haines Moore, A. B. Wilmington (O.) 1897. — Asst. Lick Observatory, Cal.

Alfred James Morrison (F), Hampden-Sidney, Va. (A. B. 1895, Prof Latin and German).

Roland Jessup Mulford (F), Harvard (A. B. 1893, LL. B. 1896).—Head Master, Ridgefield School, Conn.

John David Rodeffer, A. B. Roanoke 1895; Instr. Balt. City Coll. 1903-04.—Prof. Mod. Lang. Roanoke Coll. Salem, Va.

Henry Nevill Sanders (F), A. B. Trinity (Ont.) 1894; Lecturer. McGill 1898-01.—Prof. Greek, Bryn Mawr, Pa.

Charles Albert Savage, A. B. 1895.—Prof. Greek, Univ. of Minn. Minneapolis.

Atherton Seidell, Univ. of Ga. (B. Agr. 1898, S. B. 1899); M. S. Columbian 1901.—Chemist, Bureau of Public Health, Wash.

Daniel Naylor Shoemaker (F), S. B. Earlham 1894; Asst. Zool. 1900-01.—Botanist, Dept. of Agric. Wash.

Arthur Whitmore Smith (F), S. B. New Hamp. Coll. 1893.—Asst. Prof. Physics, Univ. of Mich., Ann Arbor. (27)

1904

James Barnes (F), A. B. Dalhousie 1899; Asst. 1904-06.—Assoc. Physics, Bryn Mawr, Pa.

Harry Preston Bassett, S. B. Ky. State 1901.—Chemist, Gen. Elec. Co., Schenectady, N. Y.

Charles Edward Brooks, A. B. 1900. —Actuary, Prudential Insur. Co., Newark, N. J.

George Griffin Brownell, A. B. Syracuse 1893.—Prof. Romance Lang. Univ. of Ala.

Douglas Labaree Buffum (F), A. B. and A. M. Univ. of Va. 1898; Instr. Yale 1904-05. — Preceptor, Mod. Lang. Princeton.

Howard Vernon Canter (F), A. B. Wash. and Lee 1896.—Instr. Latin, Univ. of Mo. Columbia.

Charles Geiger Carroll, A. B. Southwestern 1896.—Prof. Chem. Univ. of Ark. Fayetteville.

Walter Buckingham Carver (F), Ph. B. Dickinson 1899; Prof. Ursinus 1904-06.—Instr. Math. Cornell.

Rheinart Parker Cowles (F), A. B. Stanford 1899; Bruce Fellow 1902-04.—Instr. Biology.

John Jackson Crumley, A. B. Chicago 1899.—Prof. Latin, Antioch, Yellow Springs, O.

Howard Waters Doughty (F), Profic. in Elec. 1893; Instr. Univ. of Mo. 1904-06, Univ. of Wis. 1906-07.—Instr. Chem. Amherst.

Aaron Ember (F), A. B. 1901.—Rayner Fellow; Associate, Hebrew.

Otto Charles Glaser, A. B. 1900, Bruce Fellow 1904-05.—Asst. Prof. Zool. Univ. of Mich. Ann Arbor.

Elliot Snell Hall (F), A. B. Amherst 1896; Instr. Chicago 1904-06; Acting Asst. Prof. Univ. of Wash. 1906-07. — Assoc. Prof. Chem. Amherst.

Henry Dickinson Hill, A. B. 1900.—Elec. Engr. Wilkinsburg, Pa.

John Porter Hollis (F), A. B. Wofford 1895; Acting Prof. Hist. Southwestern Univ. Texas 1904-05. — Bureau of Corporations, Wash.

Arthur Isaac Kendall (F), S. B. Mass. Inst. Tech. 1900.

Albert Frederick Kuersteiner, A. B. Cincinnati 1888. — Prof. Romance Lang. Indiana Univ. Bloomington.

Charles Edward Lyon, A. B. 1897; Instr. Williams 1904-05.—Instr. Mod. Lang. Princeton.

Ernest Gale Martin (F), Ph. B. Hamline 1897; Asst. 1903-04; Instr. Purdue 1904-07. — Instr. Physiol. Harvard.

Raymond Durbin Miller (F), A. B. 1898; Instr. Univ. of Texas 1905-06, Syracuse 1906-08.—Instr. English Univ. of Mo. Columbia.

James Raider Mood, A. B. Charleston 1900.—Prof. Latin and Greek, Villanova Coll. Pa.

McKendree Llewellyn Raney (F). A. B. Centre 1897.—Librarian.

John Joseph Rutledge, S. B. Ill. Univ. 1894.—Mining Engr. and Geologist, Balt.

John Philip Schneider (F), A. B. Wittenberg 1896; A. M. Columbia 1898.—Prof. English, Wittenberg, Springfield, O.

Theodore Leslie Shear (F), A. B. N. Y. Univ. 1900.—Tutor, Class. Philol. Columbia.

Harry William Springsteen, S. B. Case School 1897; Assoc. Bryn Mawr 1904-07.—Asst. Prof. Physics, Western Reserve, Cleveland.

Charles Kephart Swartz (F), A. B. 1888; B. D. Oberlin 1892; Fellow, Clark 1889-90. — Assoc. Prof. Geology.

David Hilt Tennent (F), S. B. Olivet 1900; Bruce Fellow 1904.—Assoc. Prof. Zool. Bryn Mawr.

James Blanton Wharey, A. B. Davidson 1892; Prof. S. W. Presb. 1900-06.—Prof. English, Univ. of Nashville, Tenn.

William Phillips Winter, A. B. Ohio Wesleyan 1887.—Prof. Chem. Albright Coll. Meyerstown, Pa.

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1905

Edward Cook Bingham, A. B. Middlebury 1899.—Prof. Chem. Richmond Coll. Va.

Beverly Waugh Bond, Jr. A. B. Rand.-Macon 1900; Instr. Univ. of Miss. 1905-06; Prof. S. W. Presb. 1906-07.—Instr. Econ. and Hist. Purdue, Lafayette, Ind.

Hamilton Bradshaw (F), A. B. Beloit 1902. — Research Chemist. Chester, Pa.

Oliver Perry Chitwood (F), A. B. William and Mary 1899; Prof. Mercer 1905-07. — Prof. Hist. W. Va. Univ. Morgantown.

Philip Howard Cobb, A. B. Bowdoin 1902.—Asst. Prof. Chem. Tufts Coll.

De La Warr Benjamin Easter, A. M. Rand.-Macon 1891; Adj. Prof. Wofford 1893-95; Instr. 1904-05. —Prof. Mod. Lang. Rand.-Macon, Ashland, Va.

Hamilton James Eckenrode,, A. B. Fredericksburg 1898. — Archivist, State Library, Richmond, Va.

Thomas Howard Fowler, A. B. Washington (Md.) 1897; Instr. Williams 1905-06.—Prof. German, Wells Coll. Aurora, N. Y.

John Calvin French (F), A. B. 1899. —Associate, English.

Eugene Willis Gudger, S. B. Nashville Univ. 1892.—Prof. Biol. and Geol. N. C. Normal and Indus. Coll. Greensboro.

August Ernest Guenther (F), A. B. Mich. 1898; Asst. 1904-05.—Asst. Prof. Physiol. Univ. of Neb. Lincoln.

William Edwin Hoffman, Jr., A. B. 1902.—City Chemist, Balt.

Lee Milton Hollander (F), A. B. 1901; Instr. Univ. of Mich. 1908-09. — Instr. German, Princeton 1909.—

Edward William Hope, A. B. Pa. Univ. 1898; Acting Prof. Univ. of Ala. 1905-06; Instr. Univ. of Ill. 1906-07.—Instr. Greek, Stanford.

William Kirk (F), A. B. 1902.—Asst. Prof. Econ. Brown Univ. Providence.

Winfred George Leutner (F), A. B. Adelbert 1901; Prof. Wittenberg 1905-06.—Instr. Classics, Western Reserve, Cleveland.

Robert Edward Loving (F), A. B. Richmond 1896; Prof. Blackburn 1905-06, Cornell Coll. 1906-07; Instr. Univ. of Mo. 1907-08.—Prof. Physics, Richmond Coll. Va.

Ashton Waugh McWhorter (F), A. B. Roanoke 1895; Instr. George Washington Univ. 1905-06.—Prof. English and Hist. Hampden-Sidney, Va.

William John Miller (F), S. B. Univ. of Pacific 1900.—Prof. Geol. Hamilton Coll. Clinton, N. Y.

Henry Bayard Philips (F), S. B. Erskine 1900; Instr. Cincinnati 1905-07.—Instr. Math. Mass. Inst. of Tech. Boston.

James Temple Porter (F), A. B. Rand.-Macon 1895; Instr. Williams 1905-06; Prof. Rand.-Macon Woman's Coll. 1906-08.—Assoc. Prof. Physics and Astron. Univ. of Tenn. Knoxville.

Robert Lee Ramsay (F), A. B. Fredericksburg 1899; Asst. 1905-07; Instr. English, Univ. of Mo. 1907-09.—Johnston Scholar.

Samuel Rittenhouse, A. B. Ursinus 1901.—Prof. Biol. Olivet Coll. Mich.

James Edward Routh, Jr., A. B. 1900; Asst. Univ. of Texas 1906-07. — Instr. English, Washington Univ. St. Louis.

Aaron Morton Sakolski, Ph. B. Syracuse 1902; Lecturer 1907-08.—Bureau of Corporations, Washington.

William George Seiple, A. B. Franklin and Marshall 1898; Rayner Fellow 1903-04.—Missionary, Sendai, Japan.

Forrest Shreve (F), A. B. 1901, Bruce Fellow 1905-06, Lecturer 1907-08; Assoc. Prof. Woman's Coll. Balt. 1907-08.—Research Botanist, Carnegie Inst., Tucson, Ariz.

Roswell Powell Stephens, A. B. Ga. 1896; Instr. Wesleyan 1905-07.—Adj. Prof. Math. Univ. of Ga. Athens.

Henry Phlip Straus, A. B. 1902.—Mfg. Chemist, Balt.

Levi Shoemaker Taylor (F), S. B. Swarthmore 1898.—Science Instr. Pasadena, Cal.

Mayville William Twitchell, S. B. Columbian 1899.—Prof. Geol. Univ. of S. C. Columbia.

Horace Scudder Uhler (F), A. B. 1894; Instr. Northwestern 1896-97.—Asst. Prof. Physics, Yale.

Augustus Price West, A. B. 1901.—Chemist, Balt.

Boyd Ashby Wise (F), A. B. Rand.-Macon 1897; Acting Prof. Millsaps 1906-07; Prof. Emory Coll. 1907-08.—Prof. German and Latin, A. and M. Coll. Stillwater, Okla.

James Martin Wright (F), A. B. Wm. Jewell 1901; Asst. 1905-07; Acting Prof. Hist. Univ. of Mo. 1908-09. (35)

1906

Samuel James Allen (F), S. B. McGill 1900.—Instr. Physics, Univ. of Cincinnati.

Roger Frederic Brunel, A. B. Colby 1903; Asst. Tufts 1906-07.—Instr. Chem. Syracuse Univ. N. Y.

Robert Ervin Coker (F), S. B. Univ. of N. C. 1896; Bruce Fellow 1906.—Zoologist, Nat. Museum, Wash.

Edwin Preston Dargan (F), A. B. Bethel 1899.—Adj. Prof. Romance Lang. Univ. of Va.

Arthur Dodge, A. B. William and Mary 1900.

George Wicker Elderkin (F), A. B. Dartmouth 1902.—Fellow, Amer. School of Class. Studies, Athens.

Thomas Sidney Elston, S. B. California 1899; Instr. Univ. of Wis. 1906-07.—Instr. Physics, Univ. of Cal. Berkeley.

Howard Edwin Enders, S. B. Mich. 1898.—Instr. Zool. Purdue Univ. Lafayette, Ind.

Horace Edgar Flack (F), A. M. Wake Forest 1901.—City Statistician, Balt.

Charles Walter Gray, S. B. Ill. Wesleyan 1903.—Chemist, Hackensack, N. J.

Charles Clayton Grove, A. B. Pa. Coll. 1900; Instr. Balt. Polytech. 1905-06; Asst. Prof. Hamilton 1906-07.—Prof. Math. Roanoke, Salem, Va.

Hugh Sisson Hanna, A. B. 1899.—Baltimore.

John Coffey Hildt, A. B. 1903.—Instr. Hist. Smith Coll. Northampton, Mass.

Ernest Jenkins Hoffman, A. B. Davidson 1900.—Chemist, Dallas, N. C.

B. Smith Hopkins, A. B. Albion 1896.—Prof. Chem. Neb. Wesleyan, University Place.

Edward Pechin Hyde (F), A. B. 1900.—Director, Phys. Lab. Nat. Elec. Lamp Assoc., Cleveland.

William Lee Kennon (F), S. B. Millsaps 1900; Instr. Williams 1906-09.—Asst. Prof. Chem. Univ. of Miss.

LeRoy McMaster (F), Ph. B. Dickinson 1901.—Instr. Chem. Washington Univ. St. Louis.

Wightman Fletcher Melton, A. M. Blount. 1892; Prof. Balt. City Coll. 1906-08.—Prof. English, Emory, Oxford, Ga.

John Frederick Messick (F), A. B. Rand.-Macon 1899; Instr. Williams 1906-07.—Asst. Prof. Math. Randolph-Macon, Ashland, Va.

James Marvin Motley (F), A. B. William Jewell 1901; Prof. Wells Coll. 1906-07.—Asst. Prof. Economics, Stanford Univ. Cal.

Samuel Grant Oliphant (F), A. B. Princeton 1891; Johnston Scholar 1906-07.—Prof. Ancient Lang. Olivet Coll. Olivet, Mich.

Walter Thomson Peirce (F), A. B. Ohio Wesleyan 1894; A. M. Mich. 1896; Acting Prof. Indiana Univ. 1903-05.—Asst Prof. French, Ohio State Univ. Columbus.

August Herman Pfund (F), S. B. Wisconsin 1901; Asst. Physics 1906-07, Johnston Scholar, 1907-09.—Assoc. Physics

William Frederick Prouty (F), S. B. Syracuse 1903.—Assoc. Prof. Geol. Univ. of Ala.; Asst. State Geologist. Tuscaloosa.

Charles Judson Robinson, S. B. Ill. Wesleyan 1903.—Instr. Chem. N. Y. Univ.

Charles August Rouiller, A. B. Stanford 1903; Rockefeller Inst. 1906-07.—Asst. Chemistry.

Robert Bruce Roulston (F), A. B. 1900.—Instr. German.

Andrew Dante Schreg (F), A. B. Haverford 1902; Instr. Western Reserve 1906-07.—Instr. German, Univ. of Neb. Lincoln.

Charles Sidney Smith (F), A. B. Princeton 1888.—Asst. Prof. Greek and Latin, George Wash. Univ.

William Anderson Syme, N. C. A. & M. Coll. (S. B. 1899, Asst. Prof. Chem. 1906-08).—Raleigh, N. C.

Henry McGilbert Wagstaff (F), Ph. B. Univ. of N. C. 1899; Acting Prof. Allegheny 1906-07.—Assoc. Prof. Hist. Univ. of N. C. Chapel Hill. (32)

1907

John August Anderson (F), S. B. Valparaiso 1900.—Assoc. Astronomy.

Clyde Shepherd Atchison (F), A. B. Westminster, Pa. 1903.—Instr. Math. Williams Coll. Williamstown, Mass.

Harold Herman Bender (F), A. B. Lafayette 1903.—Annapolis, Md.

Frederick Conrad Branck, A. B. 1903; Research Asst. Harvard 1907-08.—Chemist, Balt.

Solomon Blum, A. B. 1903.—Fresno, Cal.

Taylor Scott Carter, S. B. Va. Mil. Inst. 1901.—Instr. Physics, Univ. of Cincinnati.

Frank Lawrence Cooper, S. B. Mich. 1900.—Instr. Physics, Yale.

Robert Treat Crane (F), A. B. 1902.—U. S. Consular Service, Montreal, Can.

Paul Brown Dunbar, S. B. Pa. Coll. 1904.—Chemist, Dept. of Agric., Washington.

William Davis Furry (F), A. B. Notre Dame 1900; Johnston Scholar 1907-09.—Instr. Philos.

Theodore Wesley Glocker (F), A. B. 1903; Asst. Econ. 1907-08.—Associate, School for Social Workers, Boston.

William West Holland, A. B. Central, Ky. 1906.—Asst. Chem.

Harry Nichols Holmes, S. B. Westminster, Pa. 1899.—Prof. Chem. Earlham, Richmond, Ky.

Herbert Pierrepont Houghton (F), A. B. Amherst 1901.—Instr. Classics, Amherst.

James Boyd Kennedy, A. B. Erskine 1892.—Prof. Econ. Wells Coll. Aurora, N. Y.

Alfred Allan Kern (F), A. B. Rand.-Macon 1898.—Prof. English, Millsaps Coll. Jackson, Miss.

Henry Carrington Lancaster (F), A. B. Univ. of Va. 1903.—Assoc. Prof. Romance Lang., Amherst, Mass.

Aubrey Edward Landry, A. B. Harvard 1900.—Assoc. Math. Catholic Univ. Washington.

Albert Harp Licklider (F), A. M. Rand.-Macon 1897; Instr. 1907-08.—Instr. English, Dartmouth, Hanover, N. H.

Herbert Cannon Lipscomb, A. B. Rand.-Macon 1901.—Latin Master, Country School for Boys, Balt.

Benjamin Franklin Lovelace (F), S. B. Univ. of Ala. 1904; Asst. 1907-08.—Prof. Chem. Univ. of Ala.

Henry Martin (F), A. B. Richmond 1899.—Instr. Latin, Friends' Sch. Balt.

Bartgis McGlone, A. B. 1902; Instr. Ill. Wesleyan 1903-05.—Prof. Biol. St. John's, Annapolis.

Marbury Bladen Ogle (F), A. B. 1902.—Asst. Prof. Latin, Univ. of Vt. Burlington.

Daniel Webster Ohern (F), A. B. Drake 1898; Assoc. Bryn Mawr 1907-08.—Prof. Geol. Univ. of Okla., Norman.

James Newton Pearce, Ph. B. Northwestern 1896.—Asst. Prof. Chem. Iowa Univ. Iowa City.

Francis Mitchell Rogers, A. B. Davidson 1903.—Chemist, Winston-Salem, N. C.

Charles Henry Saylor (F), A. B. 1904.—Prof. Greek, Marshall Coll. Huntington, W. Va.

William Henry Schultz (F), Ph. B. Baldwin 1899.—Instr. Physiol. Univ. of Mo. Columbia.

Guy Howard Shadinger, Ph. B. Hamline 1900.—Instr. Chem. Butler Univ. Indianapolis.

Lloyd William Stephenson, Ph. B. Scio Coll. 1903.—Asst. Geologist, U. S. Geol. Survey.

Charles Milton Stine (F), S. B. Pa. Coll. 1903.—Research Chemist, Media, Pa.

William Read Veazey, A. B. Westminster, Pa. 1903.—Instr. Chem. Washington Univ. St. Louis.

Leon Franklin Williams, A. B. Trinity, N. C. 1901.—Chemist, N. C. Experiment Sta. West Raleigh.

Louis Bernard Wolfenson (F), A. B. Wisconsin 1901.—Instr. Hebrew, etc., Univ. of Wis. Madison.

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1908

James Wallace Bryan, A. B., 1903; LL. B., Univ. of Md. 1905.—Atty. at Law, Balt.

Robert Granville Campbell (F), Washington and Lee (A. B. 1898, Adj. Prof. Econ. and Polit.), Lexington, Va.

Robert Franklin Cooper (F), A. B., Wash. and Lee 1902.—Classical Instr. Jacksonville, Ala.

Rev. William Wilberforce Costin, A. B. Mt. Allison 1895; A. M. Columbian 1901.—Clergyman, Balt.

Marshall Perley Cram, Bowdoin (A. B. 1904, Instr. Chem.), Brunswick, Me.

Douglas Southall Freeman (F), A. B. Richmond 1904.—Archivist, Confed. Mem. Assoc. Richmond, Va.

Ernest Elisha Gorsline, S. B. Rochester 1901.—Instr. Chem. Univ. of Ill. Urbana.

John Sharshall Grasty, A. B. 1902.—Adj. Prof. Econ. Geol. Univ. of Va.; Asst. State Geologist, Charlottesville.

Lars Olai Grondahl, S. B. St. Olaf 1904.—Prof. Physics, Spokane Coll. Wash.

David Vance Guthrie, A. B. Wash. and Lee 1903.—Instr. Physics, Univ. of Va.

Felix Edward Walsh Hackett, A. B. Dublin 1902.—Physicist, Amagh, Ireland.

Walter Clark Haupt (F), Goerlitz Gymnasium 1905.—Instr. German, Univ. of Mich. 1909.—

Herbert Eugene Ives (F), S. B. Univ. of Pa. 1905.—Physicist, Bureau of Standards, Wash.

Carl Alfred Jacobson, S. B. Carleton 1903.—Prof. Chem. Univ. of Nevada, Reno 1909.—

James McIntosh Johnson, S. B. Newberry 1902. — Asst. Chem. Med. Dept.

Ivey Foreman Lewis (F), A. B. Univ. of N. C. 1902; Bruce Fellow 1907-08.—Prof. Biol. Rand.-Macon, Ashland, Va.

Ralph Van Deman Magoffin (F), A. B. Mich. 1902.—Instr. Class. Hist.

Edward G. Mahin (F), S. B. Purdue 1901.—Instr. Chem. Purdue, Lafayette, Ind.

Charles Eugley Mathews, A. B. Amherst 1901.—Instr. Mod. Lang. Princeton.

Brainerd Mears (F), A. B. Williams 1903.—Instr. Chem. Univ. of Ill., Urbana.

Harmon Vail Morse, A. B. 1905.—Chemist, Maywood, N. J.

Edward Charles F. Phillips (F), A. B. St. Francis Xavier (N. Y.) 1898.—Instr. Math. Boston Coll.

Harvey Clayton Rentschler, A. B. Princeton 1903.—Instr. Physics, Univ. of Mo. Columbia.

William Frederick Schulz, E. E., Univ. of Ill. 1900.—Asst. Prof. Physics, Univ. of Ill. Urbana.

Guy Everett Snavely, A. B. 1901.—Asst. Prof. French, Allegheny, Meadville, Pa.

William Averill Stowell (F), A. B. Princeton 1904.—Prof. Mod. Lang. Rand.-Macon Woman's Coll. Lynchburg, Va.

William Walker Strong (F), S. B. Dickinson 1905.—Asst. Chem.

Sedley Lynch Ware (F), A. B. Oxford 1895; LL. B. Columbia 1900. —Instr. Hist. Stanford Univ. Cal.

(28)

(784)

Charles Edward Lyon, A. B. 1897; Instr. Williams 1904-05.—Instr. Mod. Lang. Princeton.

Ernest Gale Martin (F), Ph. B. Hamline 1897; Asst. 1903-04; Instr. Purdue 1904-07. — Instr. Physiol. Harvard.

Raymond Durbin Miller (F), A. B. 1898; Instr. Univ. of Texas 1905-06, Syracuse 1906-08.—Instr. English Univ. of Mo. Columbia.

James Raider Mood, A. B. Charleston 1900.—Prof. Latin and Greek, Villanova Coll. Pa.

McKendree Llewellyn Raney (F). A. B. Centre 1897.—Librarian.

John Joseph Rutledge, S. B. Ill. Univ. 1894.—Mining Engr. and Geologist, Balt.

John Philip Schneider (F), A. B. Wittenberg 1896; A. M. Columbia 1898.—Prof. English, Wittenberg, Springfield, O.

Theodore Leslie Shear (F), A. B. N. Y. Univ. 1900.—Tutor, Class. Philol. Columbia.

Harry William Springsteen, S. B. Case School 1897; Assoc. Bryn Mawr 1904-07.—Asst. Prof. Physics, Western Reserve, Cleveland.

Charles Kephart Swartz (F), A. B. 1888; B. D. Oberlin 1892; Fellow, Clark 1889-90. — Assoc. Prof. Geology.

David Hilt Tennent (F), S. B. Olivet 1900; Bruce Fellow 1904.—Assoc. Prof. Zool. Bryn Mawr.

James Blanton Wharey, A. B. Davidson 1892; Prof. S. W. Presb. 1900-06.—Prof. English, Univ. of Nashville, Tenn.

William Phillips Winter, A. B. Ohio Wesleyan 1887.—Prof. Chem. Albright Coll. Meyerstown, Pa.

(31)

1905

Edward Cook Bingham, A. B. Middlebury 1899.—Prof. Chem. Richmond Coll. Va.

Beverly Waugh Bond, Jr. A. B. Rand.-Macon 1900; Instr. Univ. of Miss. 1905-06; Prof. S. W. Presb. 1906-07.—Instr. Econ. and Hist. Purdue, Lafayette, Ind.

Hamilton Bradshaw (F), A. B. Beloit 1902. — Research Chemist. Chester, Pa.

Oliver Perry Chitwood (F), A. B. William and Mary 1899; Prof. Mercer 1905-07. — Prof. Hist. W. Va. Univ. Morgantown.

Philip Howard Cobb, A. B. Bowdoin 1902.—Asst. Prof. Chem. Tufts Coll.

De La Warr Benjamin Easter, A. M. Rand.-Macon 1891; Adj. Prof. Wofford 1893-95; Instr. 1904-05. —Prof. Mod. Lang. Rand.-Macon, Ashland, Va.

Hamilton James Eckenrode,, A. B. Fredericksburg 1898. — Archivist, State Library, Richmond, Va.

Thomas Howard Fowler, A. B. Washington (Md.) 1897; Instr. Williams 1905-06.—Prof. German, Wells Coll. Aurora, N. Y.

John Calvin French (F), A. B. 1899. —Associate, English.

Eugene Willis Gudger, S. B. Nashville Univ. 1892.—Prof. Biol. and Geol. N. C. Normal and Indus. Coll. Greensboro.

August Ernest Guenther (F), A. B. Mich. 1898; Asst. 1904-05.—Asst. Prof. Physiol. Univ. of Neb. Lincoln.

William Edwin Hoffman, Jr., A. B. 1902.—City Chemist, Balt.

Lee Milton Hollander (F), A. B. 1901; Instr. Univ. of Mich. 1908-09. — Instr. German, Princeton 1909.—

Edward William Hope, A. B. Pa. Univ. 1898; Acting Prof. Univ. of Ala. 1905-06; Instr. Univ. of Ill. 1906-07.—Instr. Greek, Stanford.

William Kirk (F), A. B. 1902.—Asst. Prof. Econ. Brown Univ. Providence.

Winfred George Leutner (F), A. B. Adelbert 1901; Prof. Wittenberg 1905-06.—Instr. Classics, Western Reserve, Cleveland.

Robert Edward Loving (F), A. B. Richmond 1896; Prof. Blackburn 1905-06, Cornell Coll. 1906-07; Instr. Univ. of Mo. 1907-08.—Prof. Physics, Richmond Coll. Va.

Ashton Waugh McWhorter (F), A. B. Roanoke 1895; Instr. George Washington Univ. 1905-06.—Prof. English and Hist. Hampden-Sidney, Va.

William John Miller (F), S. B. Univ. of Pacific 1900.—Prof. Geol. Hamilton Coll. Clinton, N. Y.

Henry Bayard Philips (F), S. B. Erskine 1900; Instr. Cincinnati 1905-07.—Instr. Math. Mass. Inst. of Tech. Boston.

James Temple Porter (F), A. B. Rand.-Macon 1895; Instr. Williams 1905-06; Prof. Rand.-Macon Woman's Coll. 1906-08.—Assoc. Prof. Physics and Astron. Univ. of Tenn. Knoxville.

Robert Lee Ramsay (F), A. B. Fredericksburg 1899; Asst. 1905-07; Instr. English, Univ. of Mo. 1907-09.—Johnston Scholar.

Samuel Rittenhouse, A. B. Ursinus 1901.—Prof. Biol. Olivet Coll. Mich.

James Edward Routh, Jr., A. B. 1900; Asst. Univ. of Texas 1906-07. — Instr. English, Washington Univ. St. Louis.

Aaron Morton Sakolski, Ph. B. Syracuse 1902; Lecturer 1907-08.—Bureau of Corporations, Washington.

William George Seiple, A. B. Franklin and Marshall 1898; Rayner Fellow 1903-04.—Missionary, Sendai, Japan.

Forrest Shreve (F), A. B. 1901. Bruce Fellow 1905-06, Lecturer 1907-08; Assoc. Prof. Woman's Coll. Balt. 1907-08.—Research Botanist, Carnegie Inst., Tucson, Ariz.

Georgiana Sands, A. B. Vassar 1893; House Officer 1898-99.—Physician, Port Chester, N. Y.

Benjamin Robinson Schenck, A. B. Williams 1894; House Officer 1898-1902; Res. Gynecologist and Instr. 1902-03.—Physician, Detroit, Mich.

Walter Ralph Steiner, A. B. Yale 1892 and A. M. 1895; House Officer 1898-99.—Pathol. and Bacteriologist, Hartford Hosp.; Physician, Hartford, Conn.

Emma Elizabeth Walker, A. B. Smith 1887.—Physician, N. Y.

Andrew Henderson Whitridge, S. B. Harvard 1894; House Officer 1898-99.—Asst. Phys.; Physician, Balt. (22)

1899

Edward Erie Brownell, Ph. B. Yale 1895; House Officer 1899-1900.—Physician, San Francisco.

Humphrey Warren Buckler, A. B. 1895; House Officer 1899-1900; Asst. 1900-06.—Physician, Balt.

Rufus Ivory Cole, S. B. Mich. 1896; House Officer, Asst. Physician, Assoc. Med. 1899-1909.—Director, Research Hosp. Rockefeller Inst. N. Y.

John Staige Davis, Ph. B. Yale 1895; House Officer 1899-1900.—Asst. Surgeon; Surgeon, Balt.

Charles Phillips Emerson, A. B. Amherst 1894; House Officer, Instr., Res. Physician, Assoc. 1899-08.—Supt. Clifton Springs Sanitarium, N. Y.

Blanch Nettleton Epler, S. B. California 1895.—Physician, Kalamazoo, Mich.

Joseph Erlanger, S. B. California 1895; House Officer 1899-1900; Fellow, Asst. Instr. Assoc. Assoc. Prof. 1900-06.—Prof. Physiol. Univ. of Wis. Madison.

Philip Saffery Evans, Jr. A. B. Yale 1895; Clin. Asst. Surg. 1900-01.—Med. Missionary, Yangchow, China.

Richard Holden Follis, Jr. Ph. B. Yale 1895; Res. Surgeon and Instr. 1902-05.—Surg. in charge; Assoc. Surgery; Surgeon, Balt.

Frank Taylor Fulton, S. B. Knox 1894; A. B. 1895.—Pathologist and Director, Pathol. Lab. R. I. Hosp.; Instr. Brown Univ.; Physician, Providence.

*James Daton Gallagher, A. B. 1895.

Henry Harris, A. B. Stanford 1895; House Officer 1899-1900.—Instr. Med. and Chief of Clinic, Cooper Med. Coll.; Physician, San Francisco.

Henry Joseph Hoye, A. B. Brown 1895.—Surgeon, Out-Patient Dept. St. Joseph's Hospital; Physician, Providence, R. I.

Louis Williams Ladd, A. B. Yale 1895.—Lecturer, Clin. Micros. Western Reserve Univ.; Clin. Microscopist, Lakeside Hosp. Cleveland.

Charles Sumner Little, A. B. Wabash 1894.—Physician, Petersburg, Ind.

John Arthur Luetscher, S. B. Wisconsin 1895; House Officer 1899-1900.—Asst. Physician; Instr. Med.; Physician, Balt.

Frank Allemong Lupton, S. B. Ala. Polytech. 1891.—Assoc. Prof. Obstetrics, Birmingham Med. Coll. Ala.

Frank Worthington Lynch, A. B. Adelbert 1895; Res. Obstetrician, Chief of Obstet. Clinic, Assoc. 1900-03.—Asst. Prof. Obstetrics, etc. Rush. Med. Coll. Chicago.

Chester Lea Magee, A. B. Stanford 1895.—Assoc. Physiol. Coll. of P. and S.; Physician, Los Angeles, Cal.

Hugh Miller Moore, S. B. and M. S. Miami 1895.—Med. Director, Miami Univ.; Physician, Oxford, O.

*Charles Williams Ottley, A. B. Princeton 1893; Prof. Biol. and Physician, Robert Coll. Constantinople 1901-04; Physician and Surg. Anatolia Coll. Hosp. Marsovan, Turkey, 1904-05.

Paul Octavius Owsley, Ph. B. Yale 1895.—Instr. Clin. Gynecol. Northwestern Med. School; Physician, Evanston, Ill.

Jacob Hall Pleasants, A. B. 1895; House Officer 1899-1900.—Assoc. Prof. Coll. of P. and S.; Asst. Phys.; Instr. Med.; Physician, Balt.; Prest. Supervisors of City Charities; Member, Alumni Council.

Sylvan Rosenheim, A. B. 1895, Asst. and Clin. Asst. 1903-07.—Physician, Balt.

John Albertson Sampson, A. B. Williams 1895; House Officer, Res. Gynecologist, Asst. Gynecol. 1902-04.—Gynecologist, Albany Hosp.; Clin. Prof. of Gynecol. Albany Med. School; Physician, Albany, N. Y.

Halbert Severin Steensland, S. B. Wisconsin 1895.—Prof. Pathol. and Director, Pathol. Lab. Syracuse, N. Y.

William Ridgely Stone, A. B. Princeton 1895.—Physician, N. Y.

Edgar Randolph Strobel, A. B. 1895, Externe 1899-1900.—Clin. Prof. Balt. Med. Coll.; Instr. and Clin. Asst. Dermatol.; Physician, Balt.

Frederick Herman Verhoeff, Ph. B. Yale 1893; Harvard (A. M. 1902, Asst. 1900-02).—Pathologist. Mass. Char. Eye and Ear Infirmary; Instr. Harvard; Physician, Boston.

William Whitridge Williams, A. B. 1895; Asst. Prague 1900-01, Harvard 1901-03, Western Reserve 1905-08.—Director, Webb Research Lab. Colorado Springs.

Sarah Delia Wyckoff, S. B. Wellesley 1894; House Officer 1899-1900.—Physician, Wilkes-Barre, Pa.

William Francis Mattingly Sowers, A. B. Princeton 1896; House Officer, Asst. Res. and Res. Surg. 1900-05; Asst. and Instr. 1905-07.—Asst. Prof. Surg., Georgetown Univ.; Physician, Washington.

Ellen Appleton Stone, A. B. Radcliffe 1895; A. M. Brown 1896.—Physician, R. I. Hosp.; Physician, Providence.

Mortimer Warren, A. B. Bowdoin 1896.—Asst. Clin. Pathol. Cornell; Physician, N. Y.

Paul Gerhardt Woolley, S. B. Chicago 1896; House Officer 1900-01; Fellow, McGill, 1901-02; Pathologist, Gov't Biol. Lab. Manila, 1902-06.—Chief Insp. Health and Med. Adviser, Dept. of Interior, Bangkok, Siam. (44)

1901

*Alexander Montague Atherton, A. B. Wesleyan 1897.

Frederick Henry Baetjer, A. B. 1897; House Officer 1901-02.—Assoc.; Asst. Actinography; Surg. Balt.

William Dwight Baldwin, A. B. Yale 1897; Clin. Asst. Med. 1901-02.—Physician, Honolulu, H. I.

John McWilliams Berry, S. B. Cornell 1897; House Officer 1901-02.—Orthopedist, Samaritan Hosp.; Physician, Troy, N. Y.

Walter Herbert Blakeslee, A. B. Amherst 1897.—Res. Surg. Episcopal Hosp. Philadelphia.

Horace Dechamps Bloombergh, A. B. Lafayette 1897.—Capt. and Surg. Med. Corps, U. S. A. Ft. Leavenworth, Kan.

Thomas Richmond Boggs, S. B. Univ. of Ga. 1896; House Officer 1901-02.—Res. Phys.; Assoc. Med.

John Robert Bosley, A. B. Western Md 1896.—Capt. and Surg. Med. Corps, U. S. A. Ft. Casey, Wash.

Charles Henry Bunting, S. B. Wisconsin 1896; House Officer 1901-02; Asst. Dem. Univ. of Pa. 1902-03; Instr. and Assoc. 1903-06, Asst. Res. Pathol. 1904-06; Prof. Univ. of Va. 1906-08.—Prof. Pathol. Univ. of Wis. Madison.

Joel Ives Butler, Ph. B. Yale 1897; House Officer, Externe, Asst. Clin. Asst. 1902-04.—Asst. Surg. Mercy Hosp.; Surgeon, Springfield, Mass.

Harry Wardell Carey, A. B. Yale 1897; Asst. Bender Hygienic Lab. Albany 1901-03.—Instr. Phys. Diag. Albany Med. Sch.; Asst. Phys. Samaritan Hosp. Troy, N. Y.

Eleanor Sarah Chace (Mrs. Edward Herbert), S. B. Wellesley 1894.—Physician, Fall River, Mass.

Robert Thornton Comer, A. B. Univ. of Ala. 1896.—Physician, Birmingham, Ala.

Guy Leartus Connor, A. B. Williams 1897.—Physician, Detroit, Mich.

Ray Connor, A. B. Williams 1897.—Clin. Prof. Ophthalmol. and Otol., Detroit Coll. of Med.; Physician, Detroit, Mich.

George Silas Drake, Jr. A. B. Yale 1897.—Surgeon, St. Louis.

Adelaide Dutcher, S. B. Wisconsin 1897.—Asst. Obstetrician, Hosp. for Women and Children; Physician, Syracuse, N. Y.

Harry Atwood Fowler, S. B. Minnesota 1895; House Officer and Clin. Asst. 1901-03.—Assoc. Skin Diseases, Eastern Disp. and Casualty Hosp.; Prof. Genito-Urinary Diseases, Howard Univ.; Physician, Washington.

Frederick Parker Gay, A. B. Harvard 1897; Fellow, Rockefeller Inst.; Asst. Dem. Univ. of Pa. 1901-03.—Asst. Pathol. Harvard.

Neil Duncan Graham, A. B. 1897.—Asst. Prof. Obstetrics and Gynecol. Howard Univ.; Physician, Wash.

Gardner Wells Hall, A. B. Harvard 1898; Clin. Asst. Med. 1901-02.—Physician, Boston.

Louis Virgil Hamman, A. B. Rock Hill 1896.—Phys. in charge, Phipps Disp.; Assoc. Med.; Physician, Balt.

Rolland Frederick Hastreiter, S. B. Wisconsin 1897; House Officer, Clin. Asst. 1901-02; Asst. Anat. Wis. Coll. of P. & S. 1903-04.—Physician, Los Angeles, Cal.

Joseph Henry Hathaway, A. B. Iowa Coll. 1894; A. B. Harvard 1896; House Officer 1901-02.—Physician, Ithaca, N. Y.

James Morley Hitzrot, A. B. Princeton 1897; House Officer 1901-02.—Instr. Surg. Cornell; Assoc. Attend. Surg. N. Y. Hosp.; Physician, N. Y.

Gerry Rounds Holden, A. B. Yale 1897; Res. Gynecologist and Asst. 1903-05.—Physician, Jacksonville, Fla.

Edward Hicks Hume, A. B. Yale 1897; John W. Garrett Internat. Fellow, Univ. Coll. Liverpool 1901-02; Asst. Surg. and Clin. Asst. Med. 1902-03.—Phys. in charge, Med. Dept. Yale Coll. in China, Changsha, Hunan Prov.

William Bernard Johnston, A. B. Harvard 1897; Asst. Res. Pathologist 1901-02.

Harry M. Kaufman, A. B. 1897.—Consult. Phys. German Orphan Asylum; Dem. Pathol. and Bac. George Washington Univ.; Phys. Washington.

Theodore Lamson, Ph. B. Yale 1897.—First Lieut. and Asst. Surg. U. S. A. Manila, P. I.

Dwight Milton Lewis, A. B. Yale 1897.—Clin. Instr. Med. New Haven Disp. and Yale Med. Sch.; Phys., New Haven, Conn.

Warfield Theobald Longcope, A. B 1897.—Director, Ayer Clin. Lab. Pa. Hosp.; Instr. Med. Univ. of Pa.

John Lawrence Yates, Ph. B. Yale 1894; S. B. Wisconsin 1895; House Officer and Asst. Res. Surg. 1899-01; Asst. Pathol. 1901-02; Asst. Demonstrator, Univ. of Pa. 1902-03.—Surgeon, Milwaukee. (32)

1900

Joseph Akerman, A. B. Univ. of Ga. 1894.—Surgeon, Wilmington, N. C.

Herbert Williams Allen, S. B. California 1896; House Officer 1900-01.—Instr. Clin. Pathol. Univ. of Cal.; Physician, San Francisco.

Mabel Fletcher Austin (Mrs. E. E. Southard), S. B. Minnesota 1893; Assoc. Prof. Hygiene and Med. Examiner, Wellesley Coll. 1906-08.—Phys. Boston.

Alma Emerson Beale, A. B. Wellesley 1891; Externe 1900-01.—Physician, Schaghticoke, N. Y.

*Milton Bettmann, A. B. Harvard 1897; House Officer 1900-01.

Evelyn Briggs, A. B. Stanford 1896.—Sacramento, Cal.

Lawrason Brown, A. B. 1895.—Physician, Saranac Lake, N. Y.

Herman Brulle, A. B. and S. B. Hampden-Sidney 1895; Externe 1900-01.—Asst. Physician; Med. Agent for City Charities; Physician, Balt.

Curtis Field Burnam, A. B. Central (Ky.) 1895; House Officer, Asst. Res. and Res. Gynecologist 1900-04.—Assoc. Gynecol.; Physician, Balt.

Arthur Smith Chittenden, A. B. Yale 1896.—Asst. Pathol. Columbia; Physician, N. Y.

Henry Asbury Christian, A. B. and A. M. Randolph-Macon 1895; A. M. Harvard 1903.—Prof. Theory and Prac. of Physic and Dean of Med. Faculty, Harvard; Chief Phys. Carney Hosp.; Physician, Boston.

William Remshart Dancy, S. B. Univ. of Ga. 1896.—Member, Attending Staff, Savannah Hosp.; Physician, Savannah, Ga.

Frank Curtiss Davis, A. B. Amherst 1905.—Physician, Los Angeles, Cal. (*Degree granted December* 4, 1899.)

Augustus Hartje Eggers, Ph. B. Yale 1896.—Physician, Pittsburg, Pa.

Henry Courtney Evans, A. B. Adelbert 1896.—Physician, Youngstown, O.

Rose Fairbank (Mrs. Beals), A. B. Smith 1895.—Physician, Sholapur, India.

Clarence B. Farrar, A. B. Harvard 1896; Lecturer 1905-08.—Asst. Physician and Director of Lab. Sheppard Hosp. Balt.; Assoc. Psychiatry.

Arthur Lawrence Fisher, S. B. California 1896; House Officer 1900-01; Fellow, Rockefeller Inst. 1901-02.—Res. Surg. Mt. Zion Hosp.; Physician, San Francisco.

William Alexander Fisher, Jr., A. B. Princeton 1896; House Officer 1900-01.—Asst. Surgeon; Physician, Balt.

Howard Fletcher, A. B. Randolph-Macon 1895; Instr. Univ. Coll. of Med. Richmond 1902-03.—Physician, Fairfax, Va.

Joseph Marshall Flint, S. B. Chicago 1895; A. M. Princeton 1900; Assoc. Chicago 1900-01; Prof. Anat. California 1901-07.—Prof. Surg. Yale.

William Patrick Healy, Ph. B. Yale 1896.—Asst. Prof. Surg. Fordham Univ.; Clin. Surgeon, N. Y.

*William Faithful Hendrickson, A. B. 1896; Asst. Dem. Pathol. Univ. of Pa. 1900-02.

Albion Walter Hewlett, S. B. California 1895.—Prof. Med. Univ. of Mich. Ann Arbor.

William Crissey Kellogg, A. B. Yale 1896.—Prof. Physiol. and Lecturer, Dermatol. Univ. of Ga.; Physician, Augusta, Ga.

Preston Kyes, A. B. Bowdoin 1896.—Asst. Prof. Exper. Pathol. Univ. of Chicago.

*Leona Lebus, S. B. Wellesley 1899.

Warren Harmon Lewis, S. B. Mich. 1894; Asst. Instr. Assoc. 1900-04.—Assoc. Prof. Anatomy.

Harry Wilson Little, S. B. Wabash 1896.—Physician, Evansville, Ind.

Ellen Louise Lowell (Mrs. Stevens), A. B. Stanford 1896.—Physician, Jacksonville, Fla.

*John Bruce MacCallum, A. B. Toronto 1896; Asst. Anat. 1900-02; Asst. Prof. Physiol. Univ. of Cal. 1902-05.

Mary Wilbur Marvell, S. B. Wellesley 1894.—Physician, Fall River, Mass.

Clara Meltzer (Mrs. John Auer), A. B. Barnard 1896.—Asst. Surg. N. Y. Eye and Ear Infirmary; Physician, N. Y.

Clelia Duel Mosher, A. B. Stanford 1893.—Physician, Palo Alto, Cal.

Hannah Glidden Myrick, A. B. Smith 1896.—Asst. Physician, N. Eng. Hosp. Roxbury; Physician, Dorchester, Mass.

*Edward Spiller Oliver, A. B. 1895.

Richard Foster Rand, Ph. B. Yale 1895; House Officer 1900-01.—Asst. Surg'l and Gynecol. Clinics and Asst. Obstet. New Haven Hosp.; Physician, New Haven, Conn.

Dorothy M. Reed (Mrs. Charles E. Mendenhall), B. L. Smith 1895; House Officer 1900-01, Fellow, Path. 1901-02.—Madison, Wis.

Glanville Yelsley Rusk, A. B. 1896; House Officer 1900-01, Asst. and Clin. Asst. 1902-03.—Pathol. Inst. Ward's Island, N. Y.

Florence Rena Sabin, S. B. Smith 1893; House Officer 1900-01, Holder of Woman's Fellowship in Anatomy 1901-02, Asst. Instr. Assoc. 1902-05.—Assoc. Prof. Anatomy.

William Francis Mattingly Sowers, A. B. Princeton 1896; House Officer, Asst. Res. and Res. Surg. 1900-05; Asst. and Instr. 1905-07.—Asst. Prof. Surg., Georgetown Univ.; Physician, Washington.

Ellen Appleton Stone, A. B. Radcliffe 1895; A. M. Brown 1896.—Physician, R. I. Hosp.; Physician, Providence.

Mortimer Warren, A. B. Bowdoin 1896.—Asst. Clin. Pathol. Cornell; Physician, N. Y.

Paul Gerhardt Woolley, S. B. Chicago 1896; House Officer 1900-01; Fellow, McGill, 1901-02; Pathologist, Gov't Biol. Lab. Manila, 1902-06.—Chief Insp. Health and Med. Adviser, Dept. of Interior, Bangkok, Siam. (44)

1901

*Alexander Montague Atherton, A. B. Wesleyan 1897.

Frederick Henry Baetjer, A. B. 1897; House Officer 1901-02.—Assoc.; Asst. Actinography; Surg. Balt.

William Dwight Baldwin, A. B. Yale 1897; Clin. Asst. Med. 1901-02.—Physician, Honolulu, H. I.

John McWilliams Berry, S. B. Cornell 1897; House Officer 1901-02.—Orthopedist, Samaritan Hosp.; Physician, Troy, N. Y.

Walter Herbert Blakeslee, A. B. Amherst 1897.—Res. Surg. Episcopal Hosp. Philadelphia.

Horace Dechamps Bloombergh, A. B. Lafayette 1897.—Capt. and Surg. Med. Corps, U. S. A. Ft. Leavenworth, Kan.

Thomas Richmond Boggs, S. B. Univ. of Ga. 1896; House Officer 1901-02.—Res. Phys.; Assoc. Med.

John Robert Bosley, A. B. Western Md 1896.—Capt. and Surg. Med. Corps, U. S. A. Ft. Casey, Wash.

Charles Henry Bunting, S. B. Wisconsin 1896; House Officer 1901-02; Asst. Dem. Univ. of Pa. 1902-03; Instr. and Assoc. 1903-06, Asst. Res. Pathol. 1904-06; Prof. Univ. of Va. 1906-08.—Prof. Pathol. Univ. of Wis. Madison.

Joel Ives Butler, Ph. B. Yale 1897; House Officer, Externe, Asst. Clin. Asst. 1902-04.—Asst. Surg. Mercy Hosp.; Surgeon, Springfield, Mass.

Harry Wardell Carey, A. B. Yale 1897; Asst. Bender Hygienic Lab. Albany 1901-03.—Instr. Phys. Diag. Albany Med. Sch.; Asst. Phys. Samaritan Hosp. Troy, N. Y.

Eleanor Sarah Chace (Mrs. Edward Herbert), S. B. Wellesley 1894.—Physician, Fall River, Mass.

Robert Thornton Comer, A. B. Univ. of Ala. 1896.—Physician, Birmingham, Ala.

Guy Leartus Connor, A. B. Williams 1897.—Physician, Detroit, Mich.

Ray Connor, A. B. Williams 1897.—Clin. Prof. Ophthalmol. and Otol., Detroit Coll. of Med.; Physician, Detroit, Mich.

George Silas Drake, Jr. A. B. Yale 1897.—Surgeon, St. Louis.

Adelaide Dutcher, S. B. Wisconsin 1897.—Asst. Obstetrician, Hosp. for Women and Children; Physician, Syracuse, N. Y.

Harry Atwood Fowler, S. B. Minnesota 1895; House Officer and Clin. Asst. 1901-03.—Assoc. Skin Diseases, Eastern Disp. and Casualty Hosp.; Prof. Genito-Urinary Diseases, Howard Univ.; Physician, Washington.

Frederick Parker Gay, A. B. Harvard 1897; Fellow, Rockefeller Inst.; Asst. Dem. Univ. of Pa. 1901-03.—Asst. Pathol. Harvard.

Neil Duncan Graham, A. B. 1897.—Asst. Prof. Obstetrics and Gynecol. Howard Univ.; Physician, Wash.

Gardner Wells Hall, A. B. Harvard 1898; Clin. Asst. Med. 1901-02.—Physician, Boston.

Louis Virgil Hamman, A. B. Rock Hill 1896.—Phys. in charge, Phipps Disp.; Assoc. Med.; Physician, Balt.

Rolland Frederick Hastreiter, S. B. Wisconsin 1897; House Officer, Clin. Asst. 1901-02; Asst. Anat. Wis. Coll. of P. & S. 1903-04.—Physician, Los Angeles, Cal.

Joseph Henry Hathaway, A. B. Iowa Coll. 1894; A. B. Harvard 1896; House Officer 1901-02.—Physician, Ithaca, N. Y.

James Morley Hitzrot, A. B. Princeton 1897; House Officer 1901-02.—Instr. Surg. Cornell; Assoc. Attend. Surg. N. Y. Hosp.; Physician, N. Y.

Gerry Rounds Holden, A. B. Yale 1897; Res. Gynecologist and Asst. 1903-05.—Physician, Jacksonville, Fla.

Edward Hicks Hume, A. B. Yale 1897; John W. Garrett Internat. Fellow, Univ. Coll. Liverpool 1901-02; Asst. Surg. and Clin. Asst. Med. 1902-03.—Phys. in charge, Med. Dept. Yale Coll. in China, Changsha, Hunan Prov.

William Bernard Johnston, A. B. Harvard 1897; Asst. Res. Pathologist 1901-02.

Harry M. Kaufman, A. B. 1897.—Consult. Phys. German Orphan Asylum; Dem. Pathol. and Bac. George Washington Univ.; Phys. Washington.

Theodore Lamson, Ph. B. Yale 1897.—First Lieut. and Asst. Surg. U. S. A. Manila, P. I.

Dwight Milton Lewis, A. B. Yale 1897.—Clin. Instr. Med. New Haven Disp. and Yale Med. Sch.; Phys., New Haven, Conn.

Warfield Theobald Longcope, A. B 1897.—Director, Ayer Clin. Lab Pa. Hosp.; Instr. Med. Univ. of Pa.

William Harvey Maddren, S. B. Brooklyn Polytech. 1896.—Asst. Visiting Surg. Kings County, Coney Island, and Bradford St. Hospitals; Phys., Brooklyn.

Elizabeth Sutton Moore (Mrs. G. L. McKinney), S. B. Wilson Coll. (Pa.) 1895.—Phys. Manila, P. I.

Henry Pickering Parker, A. B. 1896; Dem. Western Reserve Univ. 1901-02; Clin. Asst. 1904-05.—Asst. to Prof. Clin. Med. Georgetown Univ.; Asst. Emergency Hosp.; Phys., Washington.

Maurice J. Rubel, S. B. Chicago 1897; House Officer 1901-02.—Physician, Chicago.

John Cleveland Salter, A. B. Yale 1897.—Lecturer, Wash. Univ. Clin. Asst. Wash. Univ. Hosp.; Phys., St. Louis.

Mabel Palmer Simis (Mrs. H. L. Ulrich), S. B. Cornell 1897.—Phys. Minneapolis.

Josiah Morris Slemons, A. B. 1897; House Officer, 1901-02. — Assoc. Prof. Obstetrics; Phys. Balt.

Herbert Meloy Smith, A. B. Roanoke 1892.—Capt. and Surg. Med. Corps, U. S. A. Manila, P. I.

Charles Nelson Spratt, S. B. Minnesota 1897; House Officer 1901-02. —Attend. Ophthalmol. and Otol. Asbury M. E. Hosp.; Clin. Instr. Univ. of Minn.; Phys. Minneapolis.

Albert Louis Steinfeld, A. B. 1897.—Lecturer, Toledo Med. Coll.; Phys. Toledo, O.

Carlotta Mary Swett (Mrs. C. H. Bunting), A. B. Wellesley 1896.—Madison, Wis.

Henry Ludwig Ulrich, S. B. Rutgers 1897; Prof. Pathol. and Histol. Univ. of Dallas 1901-02.—Pathologist. City and Swedish Hosp.; Instr. Univ. of Minn.; Phys., Minneapolis.

Albert James Underhill, A. B. 1897.—Clin. Asst. Surg.; Phys., Balt.

Marian Bartholow Walker (Mrs. Williams), A. B. Radcliffe 1898.—Phys. Hartford, Conn.

Louis Marshall Warfield, A. B. 1897; House Officer 1901-02.—Lecturer, Clin. Micros. Washington Univ.; Pathologist, Bethesda Hosp.; Phys., St. Louis.

George William Warren, A. B. 1897. —Physician, N. Y.

Stephen Hurt Watts, A. M. Randolph-Macon 1896; House Officer 1901-02, Asst. Res. and Res. Surg. 1902-07.—Prof. Surg. Univ. of Va. Charlottesville.

Ernest Alden Wells, A. B. Yale 1897. —Asst. Visiting Surg. Hartford Hosp.; Phys. Hartford, Conn.

*Mabel Wells, A. B. Wellesley 1896.

John Montgomery West, A. B. 1896. —Asst. Laryngol. etc.; Phys. Balt.

Charles Knickerbacker Winne, Jr., A. B. 1897; Externe and Acting House Officer 1901-03.—Instr. Med. Albany Med. Coll.; Phys. Albany, N. Y. (53)

1902

John Auer, S. B. Mich. 1898; House Officer 1902-03; Instr. Harvard 1906-07.—Asst. Rockefeller Inst.; Phys. N. Y.

John Bradford Briggs, Jr. S. B. New York Univ. 1898; House Officer 1902-03. Asst. Med. 1903-04.—Asst. Physiol. Georgetown Univ.; Phys., Washington.

Bennet Bernard Browne, Jr. A. B. 1898.—Clin. Asst. Ophthalmol. etc.; Consult. Phys. Emerg. Hosp. Annapolis; Phys. Balt.

Robert Martin Bruns, A. B. Univ. of Va. 1896.—Physician, Balt.

William Morgan Case Bryan, A. B. Washington Univ. 1897; M. S. Mich. 1898.—Instr. Geology, etc., St. Louis Univ. and Jewish Hosp. Disp.; Asst. Ed. *The Laryngoscope;* Phys. St. Louis.

Camillus Bush, S. B. California 1898; House Officer and Asst. Res. Surg. 1902-04.—Visit. Surg. St. Helena Sanitarium; Instr. Surg. Univ. of Cal.; Surgeon, San Francisco.

John Woolman Churchman, A. B. Princeton 1898; House Officer 1902-03, Clin. Asst. 1904-05.—Asst. Res. Surg.

Thomas Wood Clarke, A. B. Harvard 1899; House Officer 1902-03.—Fellow, Rockefeller Inst. N. Y.

Henry Wireman Cook, A. B. 1898; House Officer 1902-03.—Physician, Minneapolis.

Jacob Jones Coons, S. B. Ohio Wesleyan 1898.—Lecturer, Starling Med. Coll.: Pathologist, Grant Hosp.; Phys. Columbus, Ga.

Gustavus Charles Dohme, A. B. 1898. —Assoc. Prof. Chem. Md. Med. Coll. Phys. Balt.

David Hough Dolley, A. B. Randolph-Macon 1897.—Prof. Histol. and Pathol. Univ. of N. C. Chapel Hill.

Ralph Duffy, A. B. 1898.—Res. Surg. Franklin Sq. Hosp., Balt.

John Dunlop, S. B. Princeton 1898; Externe 1902-03.—Asst. to Prof. Surg. Georgetown Univ.; Phys. Washington.

William Gage Erving, A. B. Yale 1898.—Orthoped. Surg. Providence Hosp.: Prof. Orthoped. Surg. Howard Univ.; Phys. Washington.

Newell Simmons Ferry, Ph. B. Yale 1898.—Detroit, Mich.

Nellis Barnes Foster, S. B. Amherst 1898.—Assoc. Biol. Chem. Columbia; Phys. N. Y.

William Willoughby Francis, A. B. 1898, Asst. 1904-5.—Clin. Asst. Royal Victoria Hosp.; Asst. Dem. Pathol. McGill Univ.; Phys. Montreal.

Maurice Albert Frankenthal, A. B. Washington Univ. 1898.—Pathologist, Bethesda Homes; Asst. Surg. Washington Univ. Hosp.; Phys. St. Louis.

W. Harry Glenny, Ph. B. Yale 1894. —Asst. Attend. Phys. Buffalo Genl. Hosp.; Phys. Buffalo.

Clarence Foster Hardy, B. L. Wisconsin 1891.—Physician, Milwaukee.

Morrison LeRoy Haviland, Ph. B. Union 1898; House Officer 1902-03.—Asst. Parks Hosp.; Phys. Glens Falls, N. Y.

Mabel Stevens Haynes (Mrs. Konrad Heissig), A. B. Bryn Mawr 1898.—Przemyal, Austria.

Leonard Keene Hirshberg, A. B. 1898. —Assoc. Nerv. Dis. and Instr. Bacteriol. Coll. of P. and S.; Chief, Nerv. Clinic, City Hosp.; Phys. Balt.

Carl Herman Horst, A. B. Stanford 1898; House Officer 1902-03.—Phys. Butte, Mont.

Solomon Hyman, S. B. California 1898.—Instr. Surg. Cooper Med. Coll.; Surgeon, San Francisco.

William Frederick Jelke, Ph. B. Yale 1898.—Physician, Cincinnati.

Thomas Monroe Jones, A. B. Indiana 1898.—Surgeon, Anderson, Ind.

Alfred Karsted, A. B. Stanford 1898. —Res. Phys. Murray Hosp. Butte, Mont.

Arthur Herbert Kimball, S. B. Amherst 1897.—Visiting Oculist, Governm't Hosp. for Insane; Asst. Ophthalmol. Episcopal Eye and Ear Hosp.; Phys. Washington.

Louis Chas. Lehr, A. B. 1898; Clin. Asst. Surg. 1902-04.—Physician, Washington.

Edward McCrady L'Engle, A. B. St. John's 1897.—Pathologist, Polyclinic Hosp.; Asst. Pathologist, Phila. Hosp.; Phys. Phila.

George Victor Litchfield, Jr. A. M. Randolph-Macon 1897.—Surgeon, Kimball, W. Va.

Emma Lootz (Mrs. W. G. Erving), A. B. Smith Coll. 1897.—Physician, Washington.

Seymour DeWitt Ludlum, S. B. Rutgers 1897.—Asst. Neurol. Phila. Polyclinic; Instr. Neuro-Pathol., Univ. of Pa.; Phys. Philadelphia.

Annie Galloway Lyle, A. B. Stanford 1895.—Physician, San Francisco.

George Malcolm MacGregor, S. B. Wisconsin 1894.—Physician, Mazomanie, Wis.

Samuel Andrew Marshall, A. B. Yale 1898.—Asst. Dermatologist, L. I. Coll. Hosp.; Phys. Brooklyn, N. Y.

John Scott McFarland, Ph. B. Yale 1898.—Physician, Buffalo, N. Y.

Edmund Webster Meisenhelder, A. B. Pa. Coll. 1898; House Officer, 1902-03.—Physician, York, Pa.

John Elmer Meisenhelder, S. B. Pa. Coll. 1897.—Res. Surg. Soldiers' Home, Washington.

*Henry William Ochsner, S. B. Wisconsin 1898; House Officer 1902-03.

Edward Hiram Reede, A. B. Cornell 1898.—Physician, Washington.

Edwin Nicholas Riggins, A. B. Williams 1897.—Phys. Orange, N. J.

Carey Pegram Rogers, A. B. Wake Forest 1897; House Officer 1902-03.—Chief Surg. St. Luke's Hosp.; Surg. Jacksonville, Fla.

Stephen Rushmore, A. B. Amherst 1897; Externe and Asst. Res. Gynecologist, 1902-03; Res. Gynecologist. and Asst. 1905-06.—Visiting Gynecol. Carney Hosp. Boston.

George Barr Scholl, A. B. 1898; Externe 1902-03.—Prof. Pathol. Md. Med. Coll.; Pathol. Franklin Sq. Hosp.; Health Officer, City Board of Health; Phys. Balt.

Melville Silverberg, A. B. California 1897; Asst. Physiol. Chem. Cooper Med. Coll. 1902-03.—Phys. San Francisco.

John Nathan Simpson, A. B. Univ. of Nashville 1893.—Prof. Physiol. W. Va. Univ.; Phys. Morgantown.

Harry Merriman Steele, Ph. B. Yale 1894. — Instr. Pediatrics, Yale; Phys. New Haven.

Alice Weld Tallant, A. B. Smith Coll. 1897.—Prof. Obstetrics, Woman's Med. Coll.; Phys. Phila.

Condit Brewer Van Arsdall, A. B. Ky. Wesleyan 1894; A. B. Mich. 1898.—Phys. Harrodsburg, Ky.

John Van Denburgh, A. B. Stanford 1894, and Ph. D. 1897.—Physician, San Francisco.

Otis Buckminster Wight, A. B. Stanford 1898; House Officer 1902-03. —Lecturer, Clin. Surg. Univ. of Oregon; Phys. Portland.

Clara Louise Williams, S. B. California 1897.—Phys. Berkeley, Cal.

Dudley Williams, A. B. 1897.—Asst. Phys.; Physician, Balt.

Charles Benjamin Wright, A. B. Univ. of N. Dak. 1898; House Officer 1902-03.—Clin. Instr. Univ. of Minn.; Phys. Minneapolis. (57)

1903

Victor Hugo Bassett (F), A. B. Knox 1896; Instr. Northwestern Univ. 1903-04; Fellow 1904-05.—Prof. Wis. Coll. P. & S. 1905-06; Assoc. Prof. Milwaukee Med. Coll., Asst. Supt. and Res. Pathologist, Milwaukee Co. Hosp. 1906-08.—City Bacteriologist, Savannah, Ga.

Lewis Clyde Bixler, A. B. Lafayette 1899; House Officer 1903-04.—Physician, Pittsburg.

Elisabeth Hedges Blauvelt, A. B. Bryn Mawr 1896.—Med. Missionary, Amoy, China.

Clinton Ethelbert Brush, Jr. S. B. New York Univ. 1899; House Officer 1903-04, Asst. 1904-05.—Assoc. Prof. Med. Univ. of Nashville; Phys. Nashville, Tenn.

Joseph Albert Chatard, A. B. Loyola 1898.—Asst. Phys.; Instr. Med.; Phys. Balt.

George Edward Chinn, Jr. S. B. Central (Mo.) 1899.—Clin. Asst. St. Vincent's Hosp.; Phys. Norfolk, Va.

Alfred Hull Clark, A. B. Cornell 1899. —Physician, Buffalo, N. Y.

William Burgess Cornell, A. B. Chicago 1899; Externe and Clin. Asst. 1903-04.—Asst. Phys. Sheppard Hosp. Towson, Md.

Emma Grace Dewey, S. B. Wellesley 1885.—Pathologist Passavant Mem. Hosp.; Phys. Jacksonville, Ill.

Harlan Dudley, Ph. B. Oberlin 1897. —Phys., Macedonia, O.

*Dana Lee Eddy, A. B. Yale 1898.

Rhoades Fayerweather, A. B. Harvard 1899. — Asst. Orthopedic Surg.; Phys. Balt.

John Somerville Fischer, A. B. 1898. —Chief Med. Clinic, St. Joseph's Hosp. Disp.; Assoc. Dis. of Children, Balt. Med. Coll.; Phys. Balt.

Frederick Julius Gaensler, S. B. Wisconsin 1899.—Physician, Milwaukee.

Lewis McFarland Gaines, A. B. and S. B. Hampden-Sidney 1898; Prof. Wake Forest Coll. 1904-08.—Assoc. Prof. Anat Med. Atlanta Med. School; Phys. Atlanta, Ga.

John Timothy Geraghty, A. B. St. Thomas Coll. 1895; Ph. B. St. Paul Sem. 1897; House Officer 1903-04. —Phys. Balt.; Instr. Surg.

Francis Colquhoun Goldsborough, S. B. Princeton 1899; House Officer. Asst. Res. Gynecologist. Res. Obstetrician 1903-07.—Instr. Obstetrics; Phys. Balt.

Justin Frank Grant, Ph. B. Yale 1898.—Prof. Anat. and Pathol. Univ. of W. Va. Morgantown.

Louis Wardlaw Haskell, Jr. A. B. 1899, Asst. 1903-04.—Asst. Prof. Clin. Surg. Coll. of P. & S.; Phys., Memphis, Tenn.

Arthur Douglass Hirschfelder, S. B. California 1897; House Officer 1903-04, Voluntary Asst. 1905-06, Instr. 1906-08.—Phys., Balt.; Assoc. Med.

Ross Hopkins, A. B. and S. B. Campbell Univ. 1897; A. B. Kansas Univ. 1899.—Physician, St. Louis.

Henry Talbot Hutchins, A. B. Amherst 1899; House Officer 1903-04, Asst. Gynecol. 1906-07; Asst. Res. and Res. Gynecologist 1904-07.

Clement Levi Jones, S. B. Washington and Jefferson 1899; Clin. Asst. Starling Med. Sch. and Pathologist, Hawkes Hosp. Columbus 1903-06.—Phys. Jamestown, O.

Louise Tayler Jones, A. B. Wellesley 1896; M. S. Columbian 1898.—Attend. Phys. Nat. Florence Home; Phys. Wash.

Albert Keidel, A. B. 1900; Clin. Asst. 1903-06.—Physician, Balt.

Maurice Lazenby, A. B. 1900.—Assoc. Prof. Surg. Woman's Med. Coll.; Prof. Histol. Md. Med. Coll.; Phys. Balt.

Arthur Solomon Loevenhart, S. B. Ky. State Coll. 1898; Asst. Assoc. Assoc. Prof. 1903-08.—Prof. Pharmacol. and Toxicol. Univ. of Wis. Madison.

Henry D. Long, A. B. Washington and Jefferson 1894; House Officer 1903-04.—Physician, N. Y.

Margaret Long, A. B. Smith 1895.—Physician, Denver, Colo.

*Edward Janney Sidwell Lupton, S. B. Columbian 1899.

Leo Augustine Lynch, A. B. Yale 1899.—Asst. Attend. Surgeon, Swedish Hosp.; Phys., Brooklyn, N. Y.

William Sanders Manning, S. B. Columbian 1899.—Ophthalmol. St. Luke's Hosp.; Phys. Jacksonville, Fla.

Watson Marshall, A. B. Princeton 1899.—Physician, Pittsburg.

Robert Talbott Miller, Jr. A. B. Amherst 1899; House Officer and Asst. Res. Surg. 1903-07.—Res. Surgeon; Instr. Surg.

Mary Elizabeth Morse, A. B. Woman's Coll. Balt. 1899.—Pathologist, N. Eng. Hosp. Boston.

Willis Bean Moulton, A. B. Bowdoin 1899; House Officer 1903-04.—Instr. Gynecol. Med. Sch. of Maine; Phys. Portland.

Harry Benjamin Neagle, A. B. Bowdoin 1899.—Asst. Phys. Loomis Sanatorium, Liberty, N. Y.

Selden Irwin Rainforth, S. B. Cincinnati 1899.—Phys., N. Y.

Theodore Foster Riggs, A. B. Beloit 1898; House Officer 1903-04.—Phys. Albany, N. Y.

Benjamin Franklin Riley, Jr. S. B. Univ. of Ga. 1898.—Physician, Thomson, Ga.

George Canby Robinson, A. B. 1899; Asst. Dem. Cornell 1903-04.—Res. Phys. Pa. Hosp. Philadelphia.

Marvin Pierce Rucker, A. M. Rand.-Macon 1899.—Dem. Physiol. Med. Coll. of Va.; Pract. Board of Health; Phys. Manchester, Va.

Ferdinand Schmitter, A. B. Union 1899; Instr. Anat. Univ. of Wis. 1903-05.—1st Lieut. and Asst. Surg. U. S. A. Fort Egbert, Alaska.

Oscar Theodore Schultz, A. B. Indiana 1897; Instr. Western Reserve Univ. 1904-08.—Phys. Cleveland, O.

Winford Henry Smith, A. B. Bowdoin 1899.—Supt. Hartford Hosp. Hartford, Conn.

Alexander Raymond Stevens, A. B. 1896; House Officer 1903-04.—House Surg. Presb. Hosp. N. Y.

Catherine Hutchinson Travis, A. B. McGill 1895.—Pathologist, New Britain Hosp.; Phys. New Britain, Conn.

Frank Hosford Watson, S. B. Wisconsin 1899; House Officer 1903-04.—Chief of Med. Clin. and Lecturer, Clin. Med. Tulane; Phys. New Orleans.

Charles Whittier Young, S. B. Univ. of Ill. 1897; House Officer 1903-04.—Prof. Bacteriol. etc. Union Med. Coll. and Med. Missionary, Peking, China. (49)

1904

Jay Harvey Bacon, S. B. Knox 1900. —Physician, Peoria, Ill.

Theodore Baker, A. B. Princeton 1900.—Physician, Pittsburg.

Robert Bennett Bean, S. B. Va. Polytech. 1900; Asst. 1904-05; Instr. Univ. of Mich. 1905-06.—Assoc. Prof. Anat. Philippine Med. Sch. Manila.

Ruth Bennett (Mrs. L. S. Morgan), A. B. Univ. of Ill. 1899.—Asst. Phys. and Surg. Tsing Kiang Pu Hosp. Kiang-Su Prov. China.

John McFarland Bergland, S. B. Princeton 1900; House Officer 1904-05.—Asst. Res. Obstetrician; Asst. Obstetrics.

Maurice Buford Bonta, A. B. Ky. Wesleyan 1894; S. B. Mich. 1897; House Officer 1904-05.—Phys. Cleveland, O.

Walter Vernon Brem, Jr. S. B. N. Carolina 1896; House Officer 1904-05.—Phys. Ancon Hosp. Ancon, C. Z.

Julius Alexander Caldwell, Jr. S. B. N. Carolina 1899; House Officer 1904-05, Asst. Res. Gynecol. 1905-06.—Phys. Salisbury, N. C.

John Robert Carr, A. B. N. Carolina 1899; House Officer 1904-05, Asst. Res. Surg. 1905-06.—Surgeon, Durham, N. C.

DeWitt Bellinger Casler, A. B. Yale 1900; House Officer 1904-05.—Res. Gynecol.; Instr. Gynecol.

Ralph Torrey Edwards, A. B. Knox 1897.—Director Govt. Serum Lab. Phrapstown, Siam.

Anfin Egdahl, S. B. Wisconsin 1900; Asst. Prof. Iowa Univ. 1904-07.—Phys. Menomonie, Wis.

Harold Gould Garwood, S. B. Univ. of Colo. 1900.—Surg. Gorham, Colo.

Herbert Ziegler Giffin, S. B. Princeton 1900; House Officer 1904-05. —Phys. Rochester, Minn.

Harry Seliger Greenbaum, A. B. 1899. —Asst. Phys.; Instr. Med.; Phys. Balt.

Josephine Hemenway, A. B. Pritchett Coll. 1898; House Officer 1904-05. —Res. Phys. Babies' Hosp. N. Y.

William Raphael Miles Kellogg, A. B. Adelbert 1898.—Phys. Seattle, Wash.

Kenelm Julius Lee, S. B. Wisconsin 1900.—Phys. Fergus Falls, Minn.

John Marion Love, A. B. and B. L. Hampden-Sidney 1899.—Phys. Norfolk, Va.

Wilfred Hamilton Manwaring, S. B. Mich. 1895; Fellow and Asst. Chicago 1904-05; Assoc. Prof. Indiana Univ. 1905-07.—Fellow Rockefeller Inst.

Herman Weston Marshall, S. B. Mass. Inst. Tech. 1897; House Officer 1904-05.—Phys. Brockton, Mass.

William Carpenter McCarty, S. B. Ky. State Coll. 1900.—Phys. Rochester, Minn.

Ernest Clare McGouldrick, A. B. Yale 1900.—Clin. Asst. Barnes Hosp. Washington.

Lorenzo Seymour Morgan, S. B. Knox 1900.—Asst. Phys. and Surg. Tsing Kiang Pu Hosp. Kiang-Su Prov. China.

James Francis Morrison, A. B. Harvard 1900.—Phys. Thompsonville, Conn.

Norman Oscar Nelson, S. B. Wisconsin 1900.—Phys. Madison, Wis.

James Henry Randolph, A. B. Fla. State Coll. 1900.—Asst. Phys. Fla. Hosp. for Insane, Chattahoochee.

Jewett Villeroy Reed, S. B. Ky. State Coll. 1900; House Officer 1904-05. —Director, Neurol. Lab. Purdue Univ.; Phys. Indianapolis, Ind.

Charles Mallory Remsen, A. B. 1899; House Officer 1904-05.—Asst. Res. Surgeon.

William Gray Ricker, A. B. Yale 1900.—Phys. Wells River, Vt.

Esther Rosencrantz, A. B. Stanford 1899.—Physician, N. Y.

Ernest Sachs, A. B. Harvard 1900.—Interne, Mount Sinai Hosp. N. Y.

Orville Hickok Schell, A. B. Yale 1900.—Phys. New Rochelle, N. Y.

Harry Russel Stone, Ph. B. Wesleyan 1899.—Physician, N. Y.

Henry John Storrs, A. B. Amherst 1899; Interne and Asst. Res. Obstetrician 1904-07.—Res. Obstetrician; Asst. Obstetrics.

George Lane Taneyhill, Jr. A. B. 1900; Externe 1904-05.—Asst. Phys.; Instr. Neurol.; Phys. Balt.

Benjamin Taylor Terry, A. B. Vanderbilt 1898; Fellow Chicago 1904-05.—Asst. Rockefeller Inst. N. Y.

William Lawton Thompson, A. B. Bowdoin 1899.—Instr. Tufts Med. Sch. Boston.

George Thomas Tyler, Jr. A. B. Rand.-Macon 1896.—Surg. U. S. A. Fort Parker, N. Y.

William Jerome Vogeler, A. B. Yale 1900.—Phys. Yonkers, N. Y.

Robert Glendenning Washburn, S. B. Wisconsin 1900.—Clin. Instr. Wisc. Coll. P. & S.; Phys. Milwaukee.

Louis Schneider Weaver, A. B. Pa. Coll. 1899 and Yale 1900.—Phys. York, Pa.

John Scott Willock, S. B. Princeton 1900.—Phys. Pittsburg.

Walter Scott Wilson, A. B. N. Ga. Agric. Coll. 1880; A. M. Univ. of Ga. 1884.—Phys. Savannah.
Winfred Wilson, A. B. Weatherford Coll. 1900.—Assoc. Prof. Pathol. and Prof. Phys. Diagnosis, Baylor Univ.; Phys. Dallas, Texas. (45)

1905

Ronald Taylor Abercrombie, A. B. 1901.—Director, Gymnasium; Lecturer, Woman's Med. Coll.; Phys. Balt.
Clarence Allen Baer, B. L. Wisconsin 1900.—Phys. Milwaukee, Wis.
Leon Kahn Baldauf, A. B. 1901; Instr. Albany Med. Coll. 1905-07. —Asst. City Pathol. St. Louis.
Alice May Ballou, Ph. B. Brown, 1900.—Phys. Weston, Mass.
Khleber Heberden Beall, S. B. and M. S. Texas 1899; M. D. Fort Worth 1900; House Officer and Asst. Res. Phys. 1905-07.—Phys. Fort Worth, Texas.
Bertram Moses Bernheim, A. B. 1901. —Surgeon, Balt.; Asst. Surgery.
Kosciusko Walker Constantine, A. B. 1901.—Surgeon, Birmingham, Ala.
Calvin Duvall Cowles, Jr. A. B. Guilford Coll. 1900, Univ. of N. Carolina 1901; House Officer 1905-06.—1st Lieut. and Surg. U. S. A. Washington.
William Dick Cutter, A. B. Yale 1899.—Phys. Bisbee, Ariz.
Murray Snell Danforth, A. B. Bowdoin 1901.—Phys. Bangor, Me.
Otho Lee Dascombe, A. B. Bowdoin 1901.—Phys. Waltham, Mass.
Howard Irving Davenport, A. B. Hamilton 1901; Instr. Syracuse Univ. 1905-06.—County Bacteriol. Canandaigua, N. Y.
Homer J. Davidson, S. B. Wabash 1899.—Phys. Seattle, Wash.
Solon Arthur Dodds, Ph. B. Wesleyan 1901; House Officer 1905-06; Asst. Res. Gynecol. 1906-08.—Phys. Salisbury, N. C.
Charles Edward Dowman, Jr. A. B. Emory 1901.—Surg. Birmingham, Ala.
John Augustine English Eyster, S. B. Md. Agric. 1899; Fellow, Asst. Instr. Assoc. 1905-08.—Prof. Pharmacol. Univ. of Va.
Clifton Maupin Faris, A. B. Stanford 1900; House Officer 1905-06.—Phys. Sacramento, Cal.
Frederick Reynolds Ford, S. B. Colgate 1901: House Officer 1905-06. —Phys. Utica, N. Y.
Allen Wier Freeman, S. B. Richmond Coll. 1899.—Phys. Richmond; Asst. State Commr. of Health; Lecturer, Med. Coll. of Va.
Philip Kingsnorth Gilman, A. B. Stanford 1901; Asst. Res. Surg. 1906-07.—Assoc. Prof. Pathol. Philippine Med. Sch. Manila.
Sarah Mabel Grier, A. B. Bucknell 1901.—Phys. Northumberland, Pa.
Edith Hale, A. B. Radcliffe 1901.—Phys. Boston.
Francis Jenks Hall, A. B. Yale 1899. —Med. Missionary, Peking, China; Instr. Union Med. Coll.
Julius Theodore Haller, S. B. Chicago 1901.—Phys. Davenport, Ia.
Helen Hempstead, A. B. Allegheny 1900.—Physician, Cleveland, O.
Norval Thomas Hepburn, A. B. Rand.-Macon 1900.—Phys. Hartford, Ct.
Reuben Paul Higgins, A. B. Cornell 1902.—Phys. Cortland, N. Y.
Donald Russell Hooker, A. B. Yale 1899.—Assoc. Physiol.
Henry Spencer Houghton, Ph. B. Ohio State 1901; Fellow, Rockefeller Inst. 1905-06.—Phys. and Surg. Wuhu, China.
Henry Marshall Lankford, A. B. Western Maryland 1901.—Supt. and Res. Surg. Evergreen Place Hosp. Leavenworth, Kan.
George Bilton Lawson, A. M. Rand.-Macon 1899.—Phys. Roanoke, Va.
Eugene Joseph Leopold, A. B. 1901. —Physician, Balt.; Asst. Med.
David Marine, A. B. Western Md. 1900.—Phys. Cleveland, O.
Henry Augustus Martelle, A. B. Bowdoin 1901.—Phys. Hartford, Conn.
Archibald Leete McDonald, A. B. N. Dak. 1901.—Instr. Anat. and Physiol. Univ. of N. Dak.; Phys. Grand Forks.
Arthur William Meyer, S. B. Wisconsin 1898; Asst. and Instr. 1905-07; Asst. Prof. Univ. of Minn. 1907-08.—Prof. Anat. N. W. Univ. Chicago.
William Lorenzo Moss, S. B. Univ. of Ga. 1901; House Officer and Asst. Phys. 1905-07. — Research Lab. Phipps Disp
Eugene Bishop Mumford, S. B. Wisconsin 1901.—Instr. Indiana Univ.; Phys. Indianapolis.
James Edgar Paullin, Jr. A. B. Mercer 1900.—Phys. Atlanta, Ga.; Asst. Prof. Pathol. Atlanta Coll. P. & S.; Bacteriol. State Board of Health.
George Edward Rehberger, A. B. 1901.—Phys. Sonyea, N. Y.
Lawrence Joseph Rhea, S. B. Texas 1901.—1st Asst. Pathol. City Hosp. Boston.
Edward Henderson Richardson, A. B. Hampden-Sidney 1900; House Officer 1905-06.—Asst. Res. Gynecol.
Charles Ricksher, S. B. Parsons Coll. 1901.—Asst. Phys. Danvers Hosp. Hathorne, Mass.
Martin Philip Rindlaub, Jr. B. L. Wisconsin 1896. — Phys. Fargo, N. D.
Francis Peyton Rous, A. B. 1900; House Officer 1905-06; Instr. Univ. of Mich. 1906-08. — Med. Bact. Lab.

Oscar Menderson Schloss, S. B. Ala. Polytech. 1901.—Physician, N. Y.
Robert Barnard Slocum, Ph. B. Rochester 1900; House Officer 1905-06.—Phys. Wilmington, N. C.
Lewis Frederic Smead, A. B. Wooster 1901.—Physician, Toledo, O.
Charles Walter Stone, A. B. Wash. and Jefferson 1901.—Res. Phys. Lakeside Hosp. Cleveland, O.
Caroline Benson Towles, A. B. Woman's Coll. Balt. 1893.—Phys. Balt.
Douglas Vander Hoof, B. L. Dartmouth 1901; House Officer 1905-06.—Clin. Instr. Med. Coll. of Va.; Phys. Richmond.
George Hoyt Whipple, A. B. Yale 1900.—Assoc. Pathol.; Asst. Res. Pathologist.
Harry Isaac Wiel, A. B. Stanford 1900; House Officer 1905-06.—Instr. Cooper Med. Coll.; Phys. San Francisco.
Hiram LaMont Youtz, Ph. B. Brown 1900.—Phys. Moline, Ill.

(54)

1906

Henry Adsit, A. B. Princeton 1902.—Non-res. Surg. St. James Hosp. Hornellsville, N. Y.
Frank C. Ainley, S. B. Drake 1902; House Officer 1906-07.—Asst. Res. Obstetrician.
Vivia Belle Appleton, A. B. Cornell 1901.—Physician, Tama, Iowa.
Frederic Wolcott Bancroft, A. B. Stanford 1902.—Interne, Sloane Hosp. N. Y.
Herschel Winston Bass, S. B. Ala. Polytech. 1901.—Student, Berlin.
Francis Cooke Beall, S. B. Texas 1902; House Officer 1906-07.—Phys. Ft. Worth, Texas.
Edward Bailey Beasley, A. B. 1902.—Physician, Balt.
Henry Beeuwkes, A. B. 1902.—Interne, N. Y. Hosp., N. Y.
Julian Raymond Blackman, A. B. Nebraska 1902.—Asst. Physiol. Univ. of Wis. 1906-07.
Phoebe May Bogart, A. B. Wellesley 1902.—Phys. Seattle, Wash.
Edwards Bennett Brown, A. B. Beloit 1901.—Physician, Beloit, Wis.
Louis Herbert Burlingham, A. B. Yale 1902.—Asst. Res. Phys. Mass. Gen. Hosp. Boston.
Charles Metcalf Byrnes, S. B. Univ. of N. C. 1902.—Adj. Prof. Anat. Univ. of Va. Charlottesville.
John Roberts Caulk, A. B. St. John's 1901.—Physician, Balt.
Frank Higbee Church, A. B. Hamilton 1902.—Physician, Utica, N. Y.
Oren Howard Cobb, A. B. Harvard 1902.—Physician, N. Y.
T. Homer Coffin, S. B. Penn Coll. 1901.—Instr. Pathol. Post-Grad. Hosp. N. Y.
Herbert Phalon Cole, A. B. St. Lawrence Univ. 1901.—Instr. Univ. of Ala.; Phys. Mobile, Ala.
Egerton Lafayette Crispin, Ph. B. Illinois Coll. 1902.—Res. Phys. Pa. Hosp. Phila.
Ernest Samuel Cross, A. B. Dartmouth 1901; House Officer 1906-07.—Res. Phys. Telfair Hosp. Savannah, Ga.
Victor Francis Cullen, A. B. Rock Hill 1902.—Phys. Blue Ridge Summit, Pa.
Gaston Day, S. B. Florida State Coll. 1902.—Phys. Jacksonville, Fla.
Richard Nixon Duffy, A. B. Univ. of N. C. 1902; House Officer 1906-07.—Phys. Newbern, N. C.
Francis Fisher Ebersole, A. B. Cornell Coll. 1902.—Phys. Mt. Vernon. Ia.
Eugene Price Gray, A. B. Univ. of N. C. 1902.—Phys. Winston-Salem, N. C.
Herbert Lee Gray, A. B. Colby 1902.—Interne, Kingston Ave. Hosp. Brooklyn, N. Y.
Franklin Webb Griffith, A. B. Western Md. 1902.—Asst. Res. Gynecologist.
Arthur Heywood Griswold, A. B. Harvard 1902.—Phys. Hartford, Conn.
Henry Honeyman Hazen, A. B. 1902.—Physician, Washington.
Henry Frederic Helmholz, S. B. Univ. of Wis. 1902; Fellow, Pathol. 1906-07.—Milwaukee, Wis.
Charles William Hennington, S. B. Rochester 1902; House Officer 1906-07.—Phys. Rochester, N. Y.
Minerva Herrinton, A. B. Cornell Coll. 1900.—Physician, Balt.
Joseph Henry Hewitt, A. B. Univ. of N. C. 1899.—Res. Pathol. Lakeside Hosp. Cleveland, O.
Frank Hinman, A. B. Stanford 1902.—Surg. Pathol. St. Luke's Hosp.; Phys. Spokane, Wash.
Josephine Drummond Hunt, A. B. Kentucky Univ. 1899.—Phys. Lexington, Ky
Elliott H. Hutchins, A. B. St. John's 1902.—Physician, Balt.
Clarence B. Ingraham, Jr. Ph. B. Yale 1902; House Officer 1906-07.—Physician, Balt.
Lawrence Lee Iseman, Ph. B. Lafayette 1902.—Physician, Balt.
William Finney Kellam, A. B. Rand.-Macon 1902.—Phys. Onley, Va.
Eugene Robert Kelley, A. B. Bowdoin 1902.—Physician, Seattle, Wash.
John Hendricken King, A. B. 1899.—Instr. Med.; Physician, Balt.
Mary Barker Kingsbury, A. B. Wellesley 1899.—Phys. Pottsville, Pa.
Wilhelm Edmund Harmon Krechting, A. B. Princeton 1902.—House Surg. Wright Mem. Hosp. N. Y.
Harry Leslie Langnecker, A. B. Stanford 1901; House Officer 1906-07.—Physician, Cambridge, Mass.
Andre Edward Lee, A. B. Stanford 1902.—Asst. Surg. U. S. Naval Hosp., Canacao, P. I.

Joseph Stocking Lewis, A. B. Canisius Coll. 1902.—Interne, German Hosp. N. Y.
David Israel Macht, A. B. 1902.—Physician, Balt.; Asst. Med.
George Marsden, Ph. B. Brown 1900. —Physician, New Bedford, Mass.
Enoch Marvin Mason, S. B. Ala. Polytech. 1900; House Officer 1906-07.—State Bacteriol. and Pathol.; Phys. Birmingham, Ala.
Carl L. Meloy, A. B. Wittenberg 1902.—Adj. Prof. Pathol. Univ. of Va. Charlottesville.
Robert Emory Moore, A. B. 1902.—Interne, King's Co. Hosp. Brooklyn.
Arthur Henry Morse, A. B. Tufts 1902.—Asst. Res. Obstetrician.
Agnes Gordon Murdoch, A. B. Woman's Coll., Balt. 1902.—Med. Missionary, Hwai Ysin, China.
Marie Eleanor Nast (Mrs. W. B. Wherry), A. B. Woman's Coll. Balt. 1902.—San Francisco, Cal.
John Francis Ortschild, A. B. Stanford 1899; Asst. Op. Surg. 1906-07.—Asst. Res. Surg.
Robert Patek, S. B. California 1901. —Interne, City and County Hosp.; Phys. San Francisco.
Isaac Rosenbaum Pels, A. B. 1902.—Physician, Balt.
Damon Beckett Pfeiffer, A. B. Princeton 1902.—Interne, German Hosp. Phila.
Benjamin Swayne Putts, A. B. 1902. —Physician, Rittman, O.
Ralph R. Rea, S. B. Iowa Univ. 1899. —Physician, Los Angeles, Cal.
Francis Hamilton Redewill, S. B. California 1902.—Surg. U. S. A. Ft. Bayard, N. Mex.
Richard Frederic Lot Ridgway, A. B. Princeton 1898.—Phys. Harrisburg, Pa.
Henry Camp Russ, A. B. Yale 1902. —Res. Pathol. Lakeside Hosp. Cleveland, O.
Harold Payne Sawyer, S. B. Alabama 1902.—Instr. Pathol. Albany Med. Coll. N. Y.
Edwin Henry Schorer, S. B. Univ. of Wis. 1902.—Asst. Prof. Parasitol., etc. Univ. of Mo. Columbia.
*Lamar Seeley, A. B. Williams 1902.
Ralph Berger Seem, Ph. B. Lafayette 1902.—Supt. Walker Mem. Hosp. Wilmington, N. C.
Frank Joseph Sladen, A. B. Yale 1902; House Officer 1906-07. —Asst. Med.; Asst. Res. Physician.
Harry Gordon Sloan, A. B. Wash. and Jefferson 1902. —Res. Surg. Lakeside Hosp. Cleveland, O.
Harvey Brinton Stone, A. B. 1902, House Officer 1906-07.—Adj. Prof. Surg. Univ. of Va. Charlottesville.
Solomon Strouse, A. B. 1902, House Officer 1906-07.—Physician, Balt.
Henry Clarke Thacher, A. B. Yale 1902.
Philip Pickering Thompson, A. B. Dartmouth 1902.—Physician, Portland, Me.
Harry Norton Torrey, S. B. Knox 1900; A. M. Mich. 1905.—Phys. Detroit, Mich.
Willis Willard Waite, S. B. Univ. of Wis. 1902.—Physician Bacteriol. Dept. of Health, Syracuse, N. Y.
Harold Randall Webb, A. B. Bowdoin 1902.—Physician, Arlington, Mass.
George Howard White, Jr. A. B. Princeton 1902; House Officer 1906-07.—Phys. Charleston, W. Va.
Frederick Petheram Wilbur, A. B. Williams 1902.—Physician, Franklin Furnace, N. J.
Nannie Lee Winn, A. B. Woman's Coll. Balt. 1900.—Physician, Clayton, Ala.
John Arthur Winter, A. B. Mich. 1902.—Physician, Calumet, Mich.
Gilman Joseph Winthrop, A. B. Univ. of South 1902.—Interne, Gouverneur Hosp. N. Y.
Benjamin Edgar Wolfort, S. B. Univ. of Pa. 1902.—Physician, Brooklyn, N. Y.
Samuel Wolman, A. B. 1902.—Instr. Med.; Asst. Phys.; Phys. Balt.
Peregrine Wroth, Jr. A. B. 1902.—Surgeon, Hagerstown, Md. (84)

1907

Merle Theron Adkins, S. B. Beloit 1903.—Physician, Balt.
Francis Merriman Barnes, Jr. A. B. Hamilton 1903. — Interne, Sheppard Hosp. Towson, Md.
Albert Henry Beifeld, A. B. Harvard 1902. — Interne, Michael Reese Hosp. Chicago.
Edward Grant Birge, S. B. Wisconsin 1903.—Bacteriologist, Sewerage Commission, Balt.
Montague Lafitte Boyd, Ph. B. Emory 1903. — Interne, Walker Mem. Hosp. Wilmington, N. C.
Leverett Dale Bristol, S. B. Wesleyan 1903.—Instr. Pathol. Syracuse Univ. N. Y.
Chester Timothy Brown, S. B. Rutgers 1903.—Interne, City Hosp. N. Y.
Wade Hampton Brown, S. B. Nashville 1899; Instr. Univ. of Va. 1907-08.—Instr. Pathol. Univ. of Wis. Madison
Frederick Dabney Bullock, S. B. Ky. State Coll. 1899.—Asst. Pathol. R. I. Gen. Hosp. Providence.
Edward Kimball Burbeck, A. B. Dartmouth 1903.—Phys. Salem, Mass.
Charles Burnside, Ph. B. Iowa Coll. 1903. — Interne, Passavant Mem. Hosp. Chicago.
Waid Edwin Carson, A. B. Ohio Wesleyan 1900. — Interne, Allegheny Gen. Hosp. Pa.

James H. Chesnutt, A. B. Virginia 1903.—Phys. Hot Springs, Ark.
Eliot Round Clark, A. B. Yale 1903. —Instr. Anatomy.
Paul Wiswall Clough, S. B. Wisconsin 1903.—Asst. Med.; Asst. Res. Physician.
Edwin Charles Cort, A. B. Wash. and Jefferson 1901.—Med. Missionary, Lakawa, Siam.
Fred Yohn Cronk, S. B. St. John's 1903. — Interne, Lakeside Hosp. Cleveland, O.
Robert Law Cunningham, A. B. Wabash 1901.—Asst. Res. Physician.
Cline Flemming Davidson, S. B. Wabash 1900.—Physician, Cranfordville, Ia.
Paul Herman Dernehl, S. B. Wisconsin 1903.—Physician, Milwaukee.
William Wert Dinsmore, S. B. Ala. Polytech. 1905.—Physician, Decatur, Ala.
Alphonse Raymond Doches, A. B. 1903.—Fellow, Rockefeller Inst. N. Y.
Robert Weyer Dunlap, A. B. Wash. and Jefferson 1903.—Res. Phys. West. Pa. Hosp. Pittsburg.
Dan Hughes DuPree, S. B. Georgia 1903.—Physician, Athens, Ga.
Willis Dew Gatch, A. B. Indiana 1901.—Asst. Res. Surgeon.
Henry Graber, A. B. Ursinus 1903. — Interne, Presbyterian Hosp. Philadelphia.
Inslee Blair Greene, Ph. B. Yale 1902.—Physician, Seattle, Wash.
Clyde Graeme Guthrie, A. B. Lafayette 1903.—Asst. Med.; Asst. Res. Physician.
Milton Hahn, A. B. Harvard 1903. —Interne, Mt. Sinai Hosp. N. Y.
Aleck Perkins Harrison, A. B. Fla. State Coll. 1889.—Physician, Balt.
Franklin Hazlehurst, Jr. A. B. 1903.—Surg. Garrett Hosp.; Phys. Balt.
Ralph Wellington Hellenbrand, A. B. Bowdoin 1903.—Interne, Hudson St. Hosp. N. Y.
Elizabeth Singley Hellweg, A. B. Woman's Coll. (Balt.) 1899.—Physician, Balt.
Gladys Rowena Henry, S. B. Nebraska 1900.—Asst. Res. Gynecol.
George Julius Heuer, S. B. Wisconsin 1903.—Asst. Res. Surgeon.
Eben Clayton Hill, A. B. 1903; Asst. 1907-08.—1st Lieut. and Asst. Surg. Med. Reserve Corps, U. S. A. Wash.
Charles Lane Hincher, S. B. Rochester 1903.—Interne, Parnas Hosp. Rochester, N. Y.
Joseph Gardner Hopkins, A. B. Columbia 1902.—Asst. Med.
Herbert Lester Kelley, A. B. Dartmouth 1903. — First Lieut. and Asst. Surg. U. S. N. Cavite, P. I.
Allen Kramer Krause, A. B. Brown 1901.—Instr. Pathol.
Sally Porter Law, A. B. Bryn Mawr 1903.—Physician, Balt.
Bethuel Boyd Vincent Lyon, A. B. Williams 1903.—Res. Phys. German Hosp. Philadelphia.
Perry William McLaughlin, A. B. Pa. Coll. 1903.—Physician, Greencastle, Pa.
Edward Fall Malone, A. B. Vanderbilt 1903.
Norris Gray Orchard, S. B. Fargo Coll. 1903.—Physician, Rochester, N. Y.
Fred Thomas Owens, A. B. Hamilton 1903.—House Phys. City Hosp. N. Y.
Charles Benjamin Palmer, A. B. Harvard 1901.—Interne, Post Grad. Hosp. N. Y.
William Turner Parsons, A. B. 1903. —Baltimore.
William Otto Pauli, A. B. Cincinnati 1902.—Physician, Cincinnati.
George Peirce, A. B. Haverford 1903. —Res. Phys. Pa. Hosp. Philadelphia.
Eugene Leo Pessagno, A. B. 1903.—Phys. St. Josepn's Hosp. Staff, Balt.
Harry Ward Plaggemeyer, A. B. 1903. —Interne, King's Co. Hosp. Brooklyn.
Paul Preble, A. B. Bowdoin 1903.—Res. Surg. St. Agnes Hosp. Balt.
Alexander Randall, A. B. St. John's 1902. — Interne, German Hosp. Philadelphia.
Daniel Pattee Ray, A. B. Dickinson 1903.—Physician, Johnstown, Pa.
Clarence Adair Rhodes, A. B. Rand.-Macon 1903. — Interne, St. Vincent's Hosp. N. Y.
Charles Woodward Riley, A. B. 1903. —Interne, Woman's Hosp. N. Y.
Mary Jane Ross, Cornell (A. B. 1898, Ph. D. 1902); A. M. Pennsylvania 1900.—Res. Pathol. St. Luke's Hosp. New Bedford, Mass.
Edgar Poe Sandrock, A. B. 1903.—Res. Phys. St. Agnes Hosp. Balt.
Hiram Sibley Schumacher, Ph. B. Rochester 1903;—Physician, Rochester, N. Y.
Raymond Brown Scofield, S. B. Rochester 1902.—Asst. Surgeon Wright Mem. Hosp. N. Y.
Will Farquhar Shallenberger, A. B. Wash. and Jefferson 1903.—Asst. Med.; Asst. Res. Phys.
George Arthur Smith, A. B. Yale 1903.—Phys. Hartford, Conn.
Joseph Tate Smith, Jr. A. B. 1903. —Asst. Res. Obstetrician.
Charles Granville Souder, S. B. Ohio State 1903.—Phys. Toledo, O.
Persis Rosamond Straight, A. B. Smith 1902.—Phys. Bradford, Pa.
Charles Henry Stubenrauch, A. B. 1903.—Physician, Balt.; Asst. Med.
Charles Henry Turkington, Ph. B. Yale 1903.—Interne, Hartford Hosp. Conn.

Lucius Tuttle, A. B. Yale 1901.—Physician, Philadelphia.
Percy Theodore Watson, A. B. Carleton 1903.—Med. Missionary, China.
William Henderson White, A. B. Dickinson 1903.—Interne, Riverside Hosp. North Bros. Is., N. Y.
Milton Charles Winternitz, A. B. 1903; Fellow 1907-08.—Instr. Pathology. (72)

1908

Solomon J. Appelbaum, A. B. Rochester 1904.—Interne, West. Pa. Hosp. Pittsburg.
Joseph Robson Bromwell Branch, A. B. 1904.—House Officer.
Addison Gorgas Brenizer, Jr., A. B. North Carolina 1904.—Interne, Univ. of Heidelberg, Germany.
James Stewart Brotherhood, S. B. Dartmouth 1904.—House Officer.
Carl Herbert Bryant, Ph. B. Yale 1904.—Interne, Hartford Hosp. Conn.
Jonathan Edward Burns, Jr., A. B. Virginia 1904.—Interne, Union Prot. Infirmary, Balt.
Christian Frederick Carstens, A. B. Lake Forest 1901.—Interne, City Hosp. N. Y.
Ralph DeBallard Clarke, A. B. N. Y. Univ. 1904.—Interne, Post-Grad. Hosp. N. Y.
Jean Valjean Cooke, A. B. West Va. 1903, and Yale 1904.—Instr. Pathol. Bellevue Hosp. Med. Sch. N. Y.
Edward Vincent Coolahan, A. B. Rock Hill 1903.—Interne, St. Vincent's Hosp. N. Y.
Frederick Aloysius Coughlin, A. B. Brown 1904.—Interne, City Hosp. Boston.
Samuel James Crowe, A. B. Georgia 1904.—Asst. Surgery.
Edward Adams Deming, Ph. B. Yale 1904.—Interne, N. Y. Health Dept. to Jan. 1, 1909; Interne, Hartford, Conn.
Henry Strong Denison, A. B. Cornell 1905.—Interne, Mass Gen. Hosp. Boston.
William Reuben S. Denner, A. B. Pa. Coll. 1904.—Interne, West. Pa. Hosp. Pittsburg.
Herman Ferdinand Derge, A. B. Wisconsin 1904.—House Officer.
Robert Urlel Drinkard, S. B. Va. Polytech. 1904.—Interne, Nursery and Child's Hosp. N. Y.
William Waddell Duke, Ph. B. Yale 1904.—Interne, Mass. Gen. Hosp. Boston.
Herbert McLean Evans, S. B. Cal. 1904.—Asst. Anatomy.
James Thomas Flanagan, A. B. Mt. St Mary's 1903.—Interne, King's Co. Hosp. Brooklyn.
James Richard Frow, A. B. Lafayette 1904.—Interne, Wilkes-Barre City Hosp. Pa.
Ralph Ottmar Fuerbringer, A. B. 1904.—House Officer.
George Burton Gilbert, A. B. Yale 1903.—Physician. Thomaston, Conn.
Randolph Macon Grimm, A. B. Rand.-Macon 1902.—Asst. State Lab. Hygiene, Raleigh, N. C.
William Edward Grove, A. B. Wisconsin 1904.—Instr. Pharmacol. Univ. of Wis. Madison.
Frederick Fretageot Gundrum, A. B. Stanford 1903.—House Officer.
Sylvan Lewis Haas, S. B. Cal. 1904.—Res. Pathol. Lakeside Hosp. Cleveland.
Frederic Moir Hanes, A. B. N. Carolina 1903; A. M. Harvard 1904.—House Officer.
Henry Hanson, A. B. So. Dakota 1902.—Asst. Supt. and Pathologist, Milwaukee Co. Hosp. Wauwatosa, Wis.
Paul Wilberforce Harrison, A. B. Nebraska 1905.—Interne, Mass. Gen. Hosp. Boston.
George W. K. Hartman, S. B. Cal. 1903.—Res. Phys. French Hosp. N. Y.
William Harry Higgins, A. B. Central (Ky.) 1904.—House Officer.
Miner Clifford Hill, S. B. Princeton 1904.—Asst. Pathol N. Y. Univ. and Bellevue Hosp. Med. Sch. N. Y.
Charles Augustus LaMont, A. B. Yale 1905.—Interne, Hudson St. Hosp. N. Y.
Wilbur Leslie LeCron, A. B. 1904.—Interne, Hartford Hosp. Conn.
Edward Emanuel Lindeman, Ph. B. Yale 1905.—Asst. Pharmacol. Univ. of Mich. Ann Arbor.
Janvier Whitton Lindsay, A. B. Columbia 1904.—Interne, Garfield Mem. Hosp. Washington.
Harry Walter Masenheimer, A. B. St. John's 1904.—Interne, Presbyterian Hosp. Pittsburg.
Charles Henry May, A. B. Penna. Coll. 1904.—Res. Phys. Presbyterian Hosp. Pittsburg.
Robert William Bainbridge Mayo, A. B. Md. Argic. 1903.—Bureau of Animal Industry, Washington.
James Alphonsus McCann, Ph. B. Brown 1904.—Interne, R. I. Gen. Hosp. Providence.
Roy Donaldson McClure, A. B. Ohio State 1904.—Interne, New York Hosp. N. Y.
Patrick Joseph McDonnell, Ph. B. Wesleyan 1904.—Interne, Provident Hosp. Washington.
Charles Wilson Mills, A. B. Williams 1902.—House Officer.
Warren Pearl Morrill, Ph. B. Mich. 1898.—Res. Phys. Sydenham Hosp. Balt.
Grover Cleveland Ney, A. B. Mt. St. Joseph's 1904.—Physician, Harrisonburg, Va.

James Harry Oppenheimer, A. B. Harvard 1904.—House Officer.
Carroll Dunham Partridge, S. B. Vermont 1900.—Physician, Tewksbury, Mass.
Robert Sheffey Preston, A. B. Hampden-Sidney 1903; A. M. Princeton 1904. — Interne, Bellevue Hosp. N. Y.
Frederick Sylvanus Ray, S. B. Cal. 1904.—House Officer.
Lillian Emeline Ray, A. B. Stanford 1897.—Interne, Hosp. for Women and Children, Syracuse, N. Y.
Alfred Joseph Ridges, Jr., S. B. Utah 1900.—Physician, Salt Lake City, Utah.
Hamilton Rinde, A. B. N. Dakota 1902.—Grafton, N. D.,
James Lee Robinson A. B. Texas 1904.—House Officer.
James Isaac Scarborough, A. B. Princeton 1904.—Interne, Union Prot. Infirmary, Balt.
Laurence Selling, A. B. Yale 1904.—House Officer.
Clarence Albert Shore, S. B. N. Carolina 1901.—Director, State Lab. of Hygiene, Raleigh, N. C.
Harry Philip Shugerman, A. B. Howard Coll. 1901.—Asst. Obstet. Birmingham Med. Coll.; Phys. Birmingham, Ala.
Roland Leighton Stacy, A. B. Dickinson 1904.—House Officer.
William M. Thalhimer, S. B. Richmond 1903.—Surg. Asst. Mt. Sinai Hosp.; Physician, N. Y.
Albert Agnew Thomas, A. B. Indiana 1904. — Interne, Allegheny General Hosp. Pittsburg.
Dwight Wallace Tracy, Ph. B. Yale 1904.—Interne, Hartford Hosp. Conn.
Cecil Woods Vest, S. B. Iowa Coll. 1904.—Interne, Gouverneur Hosp. N. Y.
Udo Julius Wile, A. B. Columbia 1906.
James Homer Wilson, Ph. B. Lafayette 1904.—Interne, Gouverneur Hosp. N. Y.
Joseph Kent Worthington, A. B. Haverford 1903.—Interne, Roosevelt Hosp. N. Y. (65)

(593)

BACHELOR OF ARTS

When the institution is not named, this university or the Johns Hopkins Hospital is to be understood. (F) indicates that the person has held a fellowship here. *Died.

1879

George Washington McCreary.—Asst. Sec. and Librarian, Md. Hist. Soc. Balt.

Chase Palmer (F), Ph. D. 1882; Asst. Mass. Inst. Tech. 1882-83, Tufts Coll. 1887-88; Prof. Mass. Norm. Sch. Salem 1883-87, Wabash Coll. 1888-90, Manual Train. Sch. Louisville 1895-1901, Central Univ. Ky. 1901-05, Prof. Chem. Ky. State Coll. 1905-06.—Chemist, U. S. Geol. Survey, Washington.

Edward Henry Spieker (F), Ph. D. 1882.—Assoc. Prof. Greek and Latin. (3)

1880

Rev. Thomas Milton Beadenkopf, B. D. Yale 1885.—Clergyman, Balt.

Allen Kerr Bond, M. D. Univ. of Md. 1882.—Physician, Balt.

*William Cathcart Day (F), Ph. D. 1883; Prof. Chem. St. John's 1883-84, Univ. of Nashville 1884-87, Swarthmore 1887-1901. **August* 5, 1905.

Henry Laurence Gantt, M. E. Stevens 1884.—Mechan. Eng. Pawtucket, R. I.

Edgar Goodman, LL. B. Univ. of Md. 1881.—Editor *Balt. American*.

Rev. Carl Eckhardt Grammer, Va. Theol. Sem. 1884; S. T. D. Trinity 1895; Prof. Va. Theol. Sem. 1887-97.—Clergyman, Philadelphia.

Alexander Fridge Jamieson.—Latin Master, Lawrenceville School, N. J.

*Edmund Allen Jarvis. **October* 13, 1880.

Stewart Brian Linthicum, LL. B. Univ. of Md. 1882.—Atty. at Law, Portland, Ore.

John Hanson Lowe, LL. B. Univ. of Md. 1882.—Atty. at Law, Balt.

Leigh Clinton Morgan.

*Nelson Palmer. **June* 12, 1886.

Thomas Pettigrew.—Civil Engineer.

Harry Fielding Reid (F), Ph. D. 1885; Prof. Case School 1886-94; Assoc. Prof. Chicago 1895-97.—Prof. Geol. Physics.

*Wiltz Raymond Stricklen. **December* 19, 1900.

Lewis Webb Wilhelm (F), Ph. D. 1884.—Vice-Prin. College Prep. Sch. Balt. (16)

1881

William Wilson Baden (F), LL. B. Univ. of Md. 1883; Ph. D. 1892; Prof. Southwestern Univ. 1892-93, Central (Ky.) 1893-96; late Prof. Greek and Latin, Idaho Univ.

Henry Johns Bowdoin, LL. B. Univ. of Md. 1883.—Atty. at Law, Balt.

John Wilson Brown.—Philadelphia.

David Talbot Day (F), Ph. D. 1884.—U. S. Geol. Survey, Washington.

William Henry Howell (F), Ph. D. 1884; Mich. (Hon. M. D. 1890, Lecturer and Prof. 1889-92); LL. D. Trinity 1901; Assoc. Prof. Harvard 1892-93.—Prof. Physiol. and Dean, Med. Faculty.

John Hemsley Johnson, LL. B. Univ. of Md. 1887.—Atty. at Law, Balt.

*James Edward Keeler, D. Sc. Cal. 1893; Fellow Royal Astron. Soc. London; Allegheny Observ. 1882-86; Lick Observ. 1886-91; Rumford Medalist, Amer. Acad. Arts and Sci. 1898; Prof. Western Univ. of Pa. and Director, Allegheny Observ. 1891-98; Director Lick Observ. 1898-1900. **August* 12, 1900.

Rev. Edwin George Richardson.—Clergyman, Bellefonte, Pa.

*Adonijram Judson Robinson, LL. B. Univ. of Md. 1885; Instr. Balt. City Coll. 1881-87. **November* 23, 1904.

*Henry Rolando, M. D. Univ. of Md. 1883. **October* 4, 1888.

Lee Sale, LL. B. Wash. Univ. 1885; Instr. Louisville High School 1881-83.—Atty. at Law, St. Louis.

Mactier Warfield, M. D. Univ. of Md. 1884.—Physician, Balt.; Instr. Laryngol., etc. (12)

1882

William Hughlett Adkins, LL. B. Univ. of Md. 1883.—Atty. at Law, Easton, Md.; Assoc. Judge, State Court of Appeals.

Thomas Alexis Berry.—Baltimore.

Gustav Bissing (F), Ph. D. 1885; Examiner, U. S. Patent Office, 1884-97.—Patent Atty. New York.

Walter Bernard Clarkson, Lecturer and Asst. Prof. Law, Yale 1901-03.—Atty. at Law, Jacksonville, Fla.

Herman Louis Ebeling (F), Ph. D. 1891; Prof. Miami Univ. 1891-99; Instr. and Acting Prof. Haverford 1901-03.—Asst. Prof. Greek and Latin, Hamilton, Clinton, N. Y.

Louis Garthe.—Journalist, Wash.

Edward Ingle.—Manag. Ed. *Manfr. Record*, Balt.

*Richard Fuller Kimball, LL. B. Univ. of Md. 1884. **January* 1, 1905.

*Gustav Adolph Liebig, Jr. (F), Ph. D. 1885, Asst. 1887-90. **February* 10, 1897.
Charles William Emil Miller (F), Ph. D. 1886.—Assoc. Prof. Greek.
James Page.
Albert Gallatin Palmer (F), Ph. D. 1885; Asst. and Asst. Prof. Chem. Swarthmore 1885-87. — Norwood, Md.
Robert Miller Reese.—Dept. of Agric. Washington.
*Louis Tebbetts Stevens (F), M. D. Harvard 1887. **February* 9, 1898.
Herbert Thorndyke Tiffany, LL. B. Univ. of Md. 1885.—Atty. at Law, Balt. (15)

1883

William Shirley Bayley (F), Ph. D. 1886; Prof. Colby 1888-1904.—U. S. Geol. Survey; Assoc. Prof. Geol. Univ. of Ill. Champaign.
Maurice Fels, LL. B. Univ. of Pa. 1886.—Atty. at Law, Philadelphia.
David Sterrett Gittings.—Baltimore.
William Beatty Harlan, LL.B. Univ. of Md. 1885; A.M. St. John's 1888. —Atty. at Law, Churchville, Md.
George Theophilus Kemp (F), Ph. D. 1886; M. D. L. I. Med. Coll. 1891; Demonstr. Univ. of Pa. 1886-87; Assoc. and Assoc Director, Hoagland Lab. 1888-93; Prof. Physiol. Univ. of Ill. 1893-08.
Gonzalez Lodge (F), Ph. D. 1886; LL. D. Franklin and Marshall 1901; Prof. Davidson 1886-88, Bryn Mawr 1889-1900. — Prof. Latin and Greek, Teachers Coll. N. Y.
William Edgar Stratton, M. D. Harvard 1886.—Physician, Brooklyn.
Henry Winslow Williams, LL. B. Univ. of Md. 1885.—Atty. at Law. Balt.
Henry Van Peters Wilson (F), Ph. D. 1888; Bruce Fellow 1888-89.—Prof. Biol. Univ. of N. C. Chapel Hill.
William John Witzenbacher.—Atty. at Law, Hagerstown, Md. (10)

1884

Rev. Albert Clayton Applegarth, Ph. D. 1887; LL. B. Univ. of Md.—Clergyman, Philadelphia.
Charles Walter Artz, LL. B. Columbia 1886.—Atty. at Law, N. Y.
Walter Bliss Canfield.
George Gibson Carey, LL.B. Univ. of Md. 1886.—Atty. at Law, Balt.
William Kennedy Cromwell.—Balt.
Charles William Remsberg Crum, M. D. Univ. of Md. 1888; Instr. Mercerburg 1884-86, 1889-90; Prof. Math. Ursinus 1892-95. — Physician, Brunswick, Md.
Harry Friedenwald, M. D. Phys. and Surg. (Balt.) 1886. — Physician, Balt.; Prof. Ophthalmol. etc. Coll. of P. and S.
Rev. William Lindsay Glenn, LL. B. Univ. of Md. 1888.—Clergyman, Emmorton, Md.
John Hinkley, LL. B. Univ. of Md. 1886.—Atty. at Law, Balt.
Charles Morris Howard, LL. B. Univ. of Md. 1888.—Atty. at Law, Balt.; Prof. Balt. Law School.
*John Deering Lord, Jr. LL. B. Columbia 1886. **January* 27, 1902.
Jere Williams Lord, M. D. Univ. of Pa. 1887.—Physician, Balt.; Clin. Prof. Dermatol.; Assoc. Prof. Anat. Balt. Med. Coll.
William Patrick Lyons, LL. B. Univ. of Md. 1886.—Atty. at Law, Balt.
Edgar George Miller, Jr. LL. B. Univ. of Md. 1886.—Atty. at Law, Balt.
William Ridgely Orndorff (F), Ph. D. 1887.—Prof. Organ. Chem. Cornell.
George Dobbin Penniman, LL. B. Univ. of Md. 1886.—Atty. at Law, Balt.; Prof. Balt. Univ. Law Sch.; Member, Alumni Council
William Henry Perkins, Jr. LL. B. Univ. of Md. 1888.—Atty. at Law, Balt.
*George Clement Stokes, Jr. LL. B. Univ. of Md. 1888. **January* 21, 1897.
*William John Thomas, Prof. Math. Western Md. Coll. 1884-85. **March* 9, 1885.
*William Ferdinand Wals. **March* 21, 1887.
Frederick Henry Wilkens, Ph. D. Leipsic 1891; Asst. Prof. Univ. of Wis. 1893-96, Union Univ. 1898-04. —Assoc. Prof. German, New York Univ.
George Wishart Edmond (*extra ordinem*).—Woodford's, Me.
Charles Howard Shinn (*extra ordinem*). — Supervisor, N. Sierra Forest Reserve, North Fork, Cal. (23)

1885

John Pendleton Campbell (F), Ph. D. 1888.—Prof. Biol. Univ. of Ga. Athens.
John Glenn, Jr. LL. B. Univ. of Md. 1887.—Atty. at Law, Balt.
Rt. Rev. Junius Moore Horner, S. T. B. Gen. Theol. Sem. N. Y. 1890.—Bishop of Asheville, N. C.
James Albert Loane.—Baltimore.
Harry Wilbur Price, LL. B. Columbian 1887.—Atty. at Law, Chicago.
Benjamin Titus Roberts, Jr.—Physician, Morgan Park, Ill.
Moses Roth Ryttenberg, LL. B. Univ. of Md. 1888.—Atty. at Law, N. Y.
Hugo Steiner, LL. B. Univ. of Md. 1887.—Atty. at Law, Balt.
Henry Hazlehurst Wiegand, Proficient in Elec. 1889.—Elec. Engineer, Balt. (9)

1886

Joseph Sweetman Ames (F), Ph. D. 1890; LL. D. Wash Coll. (Md.) 1907.—Prof. Physics; Director, Phys. Lab.

Wilson Lloyd Bevan, S. T. B. Gen. Theol. Sem. N. Y. 1889; A. M. and Fellow, Columbia 1889; Ph. D. Munich 1893; late Prof. Hist., Univ. of the South.

Thomas Hepburn Buckler, M. D. Univ. of Md. 1888.—Physician, Balt.

Alfred Robert Louis Dohme, Ph. D. 1889.—Mfg. Chemist, Balt.; Instr. Pharmacy.

Alfred Alvin Doub.—Atty. at Law, Cumberland, Md.

William Snyder Eichelberger (F), Ph. D. 1891; Instr. Wesleyan 1891-96.—Prof. Math. U. S. Navy, Wash.

Harry English.—Instr. High School, Washington.

Abraham Flexner, A. M. Harvard 1906.—Asst. Philos. Columbia; Member, Alumni Council.

William Edward Gates.—Cleveland, Ohio.

*William Cums Lawrence Gorton (F), Ph. D. 1889; Assoc. Prof. and Prof. Math. Woman's Coll. Balt. 1888-94. **November* 8, 1894.

Joseph Edward Harry (F), Ph. D. 1889; Prof. Georgetown, Ky. 1889-1900.—Acting Pres. (1904), Dean. Grad. School, Prof. Greek, Univ. of Cincinnati.

Benjamin Henry Hartogensis.—Atty. at Law, Balt.

James Shaler Hodges, Profic. in Elec. 1890.—Elec. Engineer, Balt.

Theodore Hough (F), Ph. D. 1893; Instr. and Asst. Prof. Mass. Inst. Tech. 1893-1903; Assoc Prof. Simmons Coll. 1903-07.—Prof. Physiol. Univ. of Va.

Percy Meredith Hughes.—Director of High Schools, Wash.

*John Henry Laessig, Jr. **December* 28, 1903.

Allan McLane, Jr. LL. B. Univ. of Md. 1888.—Atty. at Law, Balt.; Chairman, Alumni Council

John Hanson Thomas McPherson (F), Ph. D. 1890; Instr. Univ. of Mich. 1890-91.—Prof. Hist. Univ. of Ga. Athens.

Colyer Meriwether, Ph. D. 1893.—Instr. English, High School, Washington.

John Pleasants.—Baltimore.

Richard Hall Pleasants, Jr. LL. B. Univ. of Md. 1889.—Atty. at Law, Balt.

*William Flood Smith, Coll. of P. and S. Balt. (M. D. 1889, Assoc. Prof. Surg. Anat.). **April* 14, 1903.

Michael Daniel Stein.

Bernard Wiesenfeld, LL. B. Univ. of Md. 1889.—Atty. at Law, Balt.

John Whitridge Williams, Univ. of Md. (M. D. 1888, Hon. Sc. D. 1907).—Physician, Balt.; Obstetrician in Chief; Prof. Obstetrics; Prest. Alumni Assoc.

Langdon Williams.—Teacher, Philadelphia.

*William Klapp Williams, Ph. D. 1889. **June* 4, 1897.

John Randolph Winslow, M. D. Univ. of Md. 1888.—Physician, Balt.

*Allan Chase Woods. **September* 9, 1886.

Frederick George Young, Vice-Pres. S. Dak. Normal School 1888-91.—Prof. Econ. etc. Univ. of Oregon, Eugene.

*Thomas McCabe (*extra ordinem*) (F), Ph. D. 1888; Instr. Univ. of Mich. 1888-89; Prof. Ind. Univ. 1889-90; Assoc. Romance, Bryn Mawr 1890-91. **February* 22, 1891. (31)

1887

Rev. Edward Carey Applegarth (F), Ph. D. 1890; M. D. P. and S. Balt. 1892.—Clergyman, Malden, Mass.

Richard Howard Bayard, LL. B. Univ. of Md. 1889.—Atty. at Law, Balt.

Herbert Maxwell Brune, LL. B. Univ. of Md. 1889.—Atty. at Law, Balt.

Charles Edward Coates, Jr. Ph. D. 1891; Prof. St. John's 1891-93.—Prof. Chem. La. State Univ. Baton Rouge.

Rev. William Roswell Cole, B. D. Harvard 1890.—Clergyman, Cohasset, Mass.

Paul Joseph Dashiell, Ph. D. 1891; Instr. Lehigh 1889-92.—Prof. Math. U. S. Navy; U. S. Naval Academy, Annapolis.

George Peter Dreyer (F), Ph. D. 1890; Demonstr. Assoc. Assoc Prof. 1890-1900.—Prof. Physiol. Med. Dept. Univ. of Ill. Chicago.

Edward Duffy, Jr. LL. B. Univ. of Md. 1889.—Atty. at Law, Balt.

James Clark Fifield.—Atty. at Law, Minneapolis.

Julius Friedenwald, M. D. P. and S. Balt. 1900; A. M. Loyola 1898.—Physician, Balt.; Assoc. Prof. Path. Coll. of P. and S.

Douglas Huntly Gordon, LL.B. Univ. of Md. 1889.—Prest. Internat. Trust Co. Balt.

Jay Cæsar Guggenheimer, LL. B. Columbia 1891—Atty. at Law, N. Y.

Charles Homer Haskins, Ph. D. 1890, Instr. 1889-90; Asst. Prof. and Prof. Univ. of Wis. 1890-1902.—Prof. Hist. and Dean, Grad. Sch. Harvard.

George Lincoln Hendrickson, L. H. D. Western Reserve 1902; Prof. Colo. Coll. 1889-91, Univ. of Wis. 1891-96, Chicago 1896-1908.—Prof. of Latin, Yale.

Franz Otto Karl Hoffmann.—Berlin, Germany.

*Robert Milligan McLane, Jr. LL.B. Univ. of Md. 1891; State's Atty. Balt. 1899-1903; Mayor of Baltimore 1903-04. **May* 30, 1904.

Robert William Rogers, Haverford (Ph. D. 1890, Instr. 1887-90); D. D. Wesleyan 1894; Ph. D. Leipsic. 1895; Dickinson (Prof. 1890-93, Litt. D. 1908).—Prof. Hebrew, Drew Theol. Sem. Madison, N. J.; Lecturer, Woman's Coll. Balt.

Henry Oliver Thompson, LL. B. Univ. of Md. 1890.—Atty. at Law. Balt.

Benjamin Tuska, Columbia (A. M. 1888, LL. B. 1889).—Atty. at Law. N. Y.

Rev. Robert William Henry Weech. —Clergyman, Balt.

*Edward William Willis, M. D. Univ. of Md. 1889. **August* 7, 1893.

Henry Firey Wingert.—Atty. at Law, Hagerstown, Md.

Walter Bell Scalfe (*extra ordinem*), Ph. D. Vienna 1887.—Pittsburg.

*Albert Henry Smyth (*extra ordinem*): Lecturer 1899-1900: Prof. English Central High School, Phila. 1886-1907. **May* 4, 1907.

(24)

1888

Henry Harold Ballard, Ph. D. 1893; Instr. Chem. Rose Polytech. 1893-96.—Baltimore.

Edward Ambrose Bechtel (F), Chicago (Fellow 1897-98, Asst. and Assoc. 1898-02, Ph. D. 1900); Instr. Northwestern 1893-97, Chicago 1897-09.—Asst. Prof. Greek and Latin, Tulane Univ. New Orleans.

James William Black, Ph. D. 1891; Acting Prof. Georgetown, Ky. 1891-92; Assoc. Prof. Oberlin 1892-94.—Prof. Hist. Colby, Waterville, Me.

Charles Pliny Brigham, Ph. D. 1891. —Greenport, N. Y.

*William Bromwell. Ph. D. 1895; Instr. Chem. Pratt Inst. Brooklyn 1896-98. **September* 30, 1898.

*Hamilton McFarland Brown. **May* 8, 1892.

Arthur Lee Browne, Balt. Med. Coll. (M. D. 1901, Assoc. Prof. Chem.); Consulting Chemist, Balt.

Charles Hamilton Carey.—Baltimore.

John Broughton Daish, LL. B. Georgetown (D. C.) 1900.—Atty. at Law, Washington.

Rev. William Levering Devries (F), Ph. D. 1892; S. T. B. Gen. Theol. Sem. N. Y. 1894.—Clergyman, Washington.

Gustav Edward Gieske, M. D. P. and S. (Balt.) 1891.

Raleigh Colston Gildersleeve.—Architect, N. Y.

Harris Hancock, Ph. D. Berlin 1894; D. Sc. Paris 1901; Asst. Instr. Assoc. Chicago 1892-1900.—Prof. Math. Univ. of Cincinnati.

Walter Jones, Ph. D. 1891; Acting Prof. Wittenberg 1891-92; Instr. and Prof. Purdue 1892-95.—Prof. Physiol. Chem.

*William Augustine Jones, LL. B. Univ. of Ala. 1889. **February* 11, 1894.

Arthur Lincoln Lamb.—Science Master, Country School, Balt.

Charles Day Lanier.—Asst. Ed. *Review of Reviews*, N. Y.

John Bright Macauley.—Princ. Examiner, U. S. Patent Office, Wash.

*William Howard Miller. Instr. Math. Stanford 1891-93. **March* 2, 1893.

*George Neville Moore. **October* 29, 1889.

John Henry O'Donovan, M. D. Univ. of Md. 1891.—Baltimore.

Frank Eugene Reader.—Atty. at Law, New Brighton, Pa.

Louis J. Rettger, Ph. D. 1909.—Prof. Physiol. Terre Haute Normal School, Ind.

David Ellsworth Roberts, S. B. Pa. State 1885.—Asst. Chief, Div. of Prints, Library of Congress.

Lessing Rosenthal, LL. B. Northwestern 1891.—Atty. at Law, Chicago.

Charles Edmund Simon, M. D. Univ. of Md. 1890.—Physician, Balt.; Prof. Clin. Diagnosis, Md. Med. Coll.

Charles Kephart Swartz (F), Ph. D. 1904; B. D. Oberlin 1892; Fellow, Clark 1889-90.—Assoc. Prof. Geol.

Robert Melvin Tarleton, E. M. Lehigh 1895.—Mining Eng. N. Y.

Edward Lucas White, Asst. Dartmouth 1891-92.—Classical Instr. Boys' Latin School, Balt.

John White, Jr. (F), Ph. D. 1891; Asst. Cornell 1891-93; Prof. Univ. of Neb. 1893-03.—Prof. Chem. Rose Polytech. Terre Haute, Ind.

Westel Woodbury Willoughby (F), Ph. D. 1891; Acting Asst. Prof. Stanford 1894-95.—Prof. Polit. Sci.

William Franklin Willoughby, Lecturer 1900-01; Lecturer, Harvard 1900-01.—Secretary of Porto Rico, San Juan.

Charles Hiram Chapman (*extra ordinem*) (F), Ph. D. 1890, Instr. and Assoc. 1889-92; Prest. Univ. of Oregon 1893-99.—Woodland, Wash.

Charles Collier Holden (*extra ordinem*).—Asst. Prof. Romance Lang. West Va. Univ. Morgantown.

(34)

1889

Adolph Bernhard, Chicago (Ph. D. 1894, Asst. Chem. 1893-98).

Hiram Horsburgh Bice.—Class. Instr. High School, N. Y.

John Sedgewick Billings, M. D. Univ. of Pa. 1892.—Physician, N. Y.

Walton Bolgiano, M. D. Univ. of Pa. 1892.—Physician, Balt.

Theodore Cooke, Jr. M. D. Univ. of Md. 1891.—Physician, Balt.

Frank Barnum Culver.—Baltimore.
*Richard Edward Edes, Harvard (M. D. 1895, Morgan Fellow 1889-91); Instr. Mass. Inst. Tech. 1892-93. **November* 25, 1901.
Daniel Nathan Eisendrath, M. D. Chicago Med. Coll. 1891.—Physician, and Prof. Surg. Univ. of Ill. Chicago.
Albert Bernhardt Faust (F), Ph. D. 1892, Instr. 1894-96; Assoc. Prof. Wesleyan 1896-03; Asst. Prof. Univ. of Wis. 1903-04.—Asst. Prof. German, Cornell.
Charles Lee Fulton, LL. B. Univ. of Md. 1892.—Atty. at Law, Balt.
Joseph Elliott Gilpin, Ph. D. 1892.—Assoc. Chemistry.
Ross Granville Harrison (F), Ph. D. 1894, Bruce Fellow, 1894, Instr. Assoc. Assoc. Prof. 1896-1907; M. D. Bonn 1899; Lecturer, Bryn Mawr, 1894-95.—Prof. Compar. Anat. Yale.
George Newton Cressy Henschen.—Instr. High School, Reading, Pa.
William Sadler Hilles.—Baltimore.
William Isaac Hull, Ph. D. 1892.—Prof. Hist. Swarthmore, Pa.
Harry Clary Jones (F), Ph. D. 1892.—Prof. Phys. Chem.
George Charles Keidel (F), Ph. D. 1895.—Assoc. Romance Lang.
*Jesse William Lazear, M. D. P. and S. (N. Y.) 1892; Asst. Clin. Micros. 1899-1900; Asst. Surg. U. S. A. 1900. **September* 25, 1900.
Alfred Mann, M. D. P. and S. (N. Y.) 1892.—Asst. Path. Univ. of Denver; Physician, Denver, Colo.
Charles Carroll Marden, Ph. D. 1894; Instr. Mich. 1890-91.—Prof. Spanish.
William Watson McCulloh, LL. B. Univ. of Md. 1892; M. D. Univ. of Pa. 1898.—Physician, Balt.
Philip Randle Moale, Ph. D. 1894.—Chemist, Asheville, N. C.
Waldo Newcomer.—Prest. Nat. Exchange Bank, Balt.; Member, Board of Trustees.
Leonard Magruder Passano.—Asst. Prof. Math. Mass. Inst. Tech. Boston.
Arthur Jackson Patek, M. D. Univ. of Pa. 1892.—Physician, Milwaukee, Wis.
William Peters Reeves, Ph. D. 1893; Asst. Union 1895-97; Prof. Iowa Univ. 1897-1900.—Prof. English, Kenyon, Gambier, O.
Legh Wilber Reid, Princeton (M. S. 1896; Instr. 1893-1900); Ph. D. Göttingen 1899.—Prof. Math. Haverford.
Ralph Robinson, LL. B. Univ. of Md. 1891.—Atty. at Law, Balt.
Brantz Mayer Roszel (F), Ph. D. 1896; Instr. Wash. High School 1896-1903; Head Master, Sewanee Gram. School 1903-08.—Princ. Shenandoah Valley Acad. Winchester, Va.
Rev. John George Sadtler, S. T. B. Gen. Theol. Sem. N. Y. 1893.—Clergyman, Balt.
Benjamin Bittinger Shreeves, LL. B. Univ. of Md. 1891.—Atty. at Law, Balt.
Robert Tunstall Taylor, LL. B. Univ. of Va. 1891.—Surgeon, Balt.; Chief Surgeon, Hosp. for Crippled Children.
Walter Herron Taylor, LL. B. Univ. of Va. 1891.—Atty. at Law, Norfolk, Va.
Winfield Scott Thomas.—Asst. Prof. Education and Examiner of Schools, Univ. of Cal. Berkeley.
Harry Maas Ullmann, Ph. D. 1892; Hon. Fellow, Chicago 1892-93.—Asst. Prof. Anal. and Indus. Chem. Lehigh.
Horatio Alanson Warren.—Teacher, Broad Brook, Conn. (36)

1890

John McEwen Ames.—Mech. Eng. New York.
William Hand Browne, Jr. Profic. in Elec. 1892; Instr. Univ. of Neb. 1896-98; Asst. Prof. Univ. of Ill. 1898-1902.—Prof. Physics, etc., A. and M. Coll. West Raleigh, N. C.
James Edmund Bryan, Jr., Ph. D. Pa. 1908; Prin. Houghton (Mich.) High School 1891-93; Supt. of Schools Litchfield, Ill. 1893-96, Danville, Ill. 1896-99.—Supt. of Schools, Camden, N. J.
Rev. Ralph Erskine Carson, Allegheny Theol. Sem. 1895.—Missionary, Dolaib Hill, Soudan, Egypt.
*William Henry Carson, LL. B. and A. M. Harvard 1894. **August* 12, 1899.
Sydney Million Cone, M. D. Univ. of Pa. 1893; Asst. Surg. Path. 1896-1900.—Physician, Balt.; Lecturer, Balt. Med. Coll.
Vernon Cook, LL. B. Univ. of Md. 1892.—Atty. at Law, Balt.
Lucius Bradley Dorr, M. D. Univ. of Md. 1890.—Physician, Buffalo, N. Y.
Edwin Stanton Faust, Ph. D. Munich 1893; M. D. Strassburg 1898; Asst. 1894-95.—Prof. Pharmacol. Würzburg.
Ned Arden Flood, Allegheny (A. M. 1898, Lecturer 1895-98).—Atty. at Law, Meadville, Pa.
Herbert Friedenwald, Ph. D. Univ. of Pa.—New York.
Fielding Hudson Garrison, M. D. Georgetown 1893.—Physician, Washington.
Philip Fisting Gerry, Catholic Univ. (Ph. D. 1900, late Fellow and Instr.); late Director, English Instruc. Tech. Schools, Washington.—Editor, Washington.
George William Gray, Ph. D. 1895.—Chemist, Standard Oil Co. Whiting, Ind.

Samuel H. Guggenheimer.—Atty. at Law, N. Y.

Daniel Dorsey Guy. — Journalist, Washington, D. C.

James Chew Johnston, M. D. N. Y. Univ. 1892.—Physician, N. Y.; Instr. Pathol. etc. Cornell.

Edward Parkin Keech, Jr. LL. B. Univ. of Md. 1892.—Atty. at Law, Balt.

Henry McElderry Knower, (F), Ph. D. 1896, Bruce Fellow 1895-96; Instr. Williams 1896-97.—Assoc. Anat.; Sec. and Co-Editor *American Journal of Anatomy.*

Berwick Bruce Lanier, M. D. Univ. of Md. 1892.—Physician, Balt.

Sylvan Hayes Lauchheimer, LL. B. Univ. of Md. 1892.—Atty. at Law, Balt.; Asst. City Solicitor.

Tilghman Brice Marden, M. D. Univ. of Md. 1892.—Physician, Balt.; Assoc. Prof. Biol. and Histol. Balt. Med. Coll.

George Clarence Morrison, LL.B. Univ. of Md. 1893; Supt. Md. Sch. for Blind 1903-05.—1st Vice-Pres. Balt. Trust and Guar. Co.

Arthur Alexander Oehm.—Instr. in Music, Balt.

*Arthur Rosewald Oppenheimer, M. D. Univ. of Pa. 1893. **April* 29, 1895.

Rev. Lyman Pierson Powell.—Clergyman, Northampton, Mass.

Rev. Samuel Guy Snowden, B. D. Drew Theol. Sem. 1893.—Clergyman, Elizabeth, N. J.

James Ernest Stokes, M. D. Univ. of Md. 1892.—Physician, Salisbury, N. C.

Isaac Lobe Straus, LL. B. Univ. of Md. 1892.—Atty. General of Md. Balt.

*Charles Snowden Watts, LL. B. Univ. of Md. 1893. **May* 26, 1906.

William Wallace Whitelock, Ph. D. Munich 1892.—New York.

William Whitridge.—Baltimore.

Adolph Grant Wolf, Columbian (LL. B. 1892, LL. M. 1893).—Assoc. Justice, Supreme Court of Porto Rico, San Juan.

Frank Alfred Wolff, Jr. (F), Ph. D. 1893.—Physicist, Bureau of Standards, Wash.

James Homer Wright, Univ. of Md. (M. D. 1892, Hon. Sc. D. 1907); Harvard (A. M. 1894, Hon. D. Sc. 1905); Fellow, Univ. of Pa. 1892-93.—Asst. Prof. Pathol. Harvard; Director, Pathol. Lab. Mass. Gen. Hosp. Boston.

Rev. Oscar Woodward Zeigler, Princeton Theol. Sem. 1893; A. M. Princeton 1894.—Clergyman, Perryman, Md.

Inazo Nitobe (Ota), (*extra ordinem*), Ph. D. Halle 1890.—Prof. Econ. Univ. of Kyoto, Japan. (37)

1891

Michael Alexander Agelasto, A. M. Columbia 1893.—Norfolk, Va.

*Delano Ames, M. D. Univ. of Md. 1892. **March* 10, 1899.

Thomas Stockham Baker (F), Ph. D. 1895; Asst. Instr. Assoc. Lectr. 1895-07. — Director, Tome Inst. Port Deposit, Md.; Member, Alumni Council.

Randolph Barton, Jr. LL. B. Univ. of Md. 1893.—Atty. at Law, Balt.; Prof. Balt. Law School.

Daniel Base, Ph. D. 1895.—Assoc. Prof. Chem. Md. Coll. of Pharmacy and Coll. of P. and S., Balt.

William F. Bissing, M. E. Ohio State Univ. 1893.—Patent Atty. N. Y.

Rev. Frederick Foye Briggs, Crozer Theol. Sem.—Clergyman, Wilmington, Del.

Shellman Baer Brown, Profic. in Elec. 1893.—Civil Engr. Annapolis, Md.

Thomas Morris Brown.—Elec. Engr. St. Louis, Mo.

Sydney Hand Browne, Profic. in Elec. 1893.—Elec. Engr. N. Y.

Henry Andrews Bumstead, Ph. D. Yale 1897.—Prof. Physics, and Director, Sloane Lab. Yale.

Frank Kenneth Cameron, Ph. D. 1894; Fellow and Asst. Cornell 1894-95, 1897-98; Asst. Prof. Catholic Univ. 1895-97.—Chemist, Bureau of Soils, Agric. Dept. Wash.

Malcolm John Cameron, A. M. St. Francis Xavier (N. Y.) 1892; LL. B. and A. M. Columbia 1894. —Atty. at Law, N. Y.

George Carey.—New York.

Rev. Neilson Poe Carey, S. T. B. Gen. Theol. Sem. N. Y. 1897.—Clergyman, Norwich, Conn.

Abraham Cohen (F), Ph. D. 1894.—Assoc. Mathematics.

Harry Webster Cooke.—Atty. at Law, Balt.

Arthur Aaron Dembitz.—Instr. Jewish History, Gratz Coll. Phila.

Augustus Kountze Detwiler, M. D. Univ. of Pa. 1894. — Physician, Omaha, Neb.

George W. Dobbin, M. D. Univ. of Md. 1894; Asst. and Assoc. 1895-1901.—Physician, Balt.; Prof. Obstetrics, Coll. of P. & S.

William Francis Galloway (F), Ph. D. 1896.—Prin. Chatham Acad. Savannah, Ga.

George Henry Heitmuller, M. D. Univ. of Pa. 1894.—Physician, Washington.

Philip Hanson Hiss, Jr. Columbia (M. D. 1895, Ph. D.).—Physician, N. Y.; Prof. Bacteriol. Columbia.

Jacob H. Hollander (F), Ph. D. 1894; Treas. Porto Rico 1900-01; Special Commr. to Santo Domingo 1905.—Prof. Pol. Econ.

Charles McHenry Howard, LL. B. Univ. of Md. 1893.—Atty. at Law, Balt.

Reid Hunt (F), Ph. D. 1896; Assoc. and Assoc. Prof. 1898-03; M. D. P. and S. (Balt.) 1896; Tutor, Columbia 1896-98.—Pharmacologist, Bureau of Public Health, Washington.

Charles William Leverett Johnson (F), Ph. D. 1896; Instr. Yale 1897-1900, Princeton 1900-03.—Balt.

Henry Webster Keating.—Head Master, St. James School, Md.

*William Knower, LL. B. Univ. of Md. 1893. **December* 27, 1894.

George Lefevre (F), Ph. D. 1896, Bruce Fellow 1895-97, Asst. 1897-98.—Prof. Zool. Univ. of Mo. Columbia.

George Milton Linthicum, M. D. P. and S. (Balt.) 1893.—Physician, Balt.; Prof. Histol. etc. Md. Med. Coll.

Hugh Sisson Magruder, S. B. Columbia 1898.—Architect, Balt.

Arthur William McDougall.—Gen. Sec. Assoc. Charities, Orange, N. J.

Rev. Whitford L. McDowell, D. D. St. John's 1895.—Clergyman, Balt.

James Farnandis Mitchell, M. D. 1897; Instr. Surg. 1900-02.—Surgeon, Washington.

Archibald Campbell Murray.—Baltimore.

Charles Fairbank Painter, Harvard (M. D. 1895, Asst. 1897-99).—Physician, Boston; Prof. Orthopedic Surg. Tufts Med. Coll.

Alfred Wilmot Pleasants.—Baltimore.

Alfred Magill Randolph, Jr. Profic. in Elec. 1895.—Elec. Engr. Manchester, Eng.

William Ferdinand Rittler.—U. S. Army.

Charles James Search, M. D. Univ. of Wooster 1892.—Physician Brooklyn.

Alfred Jenkins Shriver, LL. B. Univ. of Md. 1893; A. M. Loyola 1894.—Atty. at Law, Balt.

Rev. James Lawrenson Smfley.—Clergyman, Annapolis, Md.

Samuel King Smith, LL. B. Univ. of Md. 1893.—Atty. at Law, Balt.

Rev. Daniel Gurden Stevens, Jr. (F), Ph. D. 1894; B. D. Crozer Theol. Sem. 1897.—Clergyman, Bordentown, N. J.

Charles Morton Stewart, Jr.—Baltimore; Member, Alumni Council.

William Stuart Symington, Jr. Ph. D. 1895; Instr. and Assoc. Prof. Stanford 1893-95; Prof. Romance Lang. Amherst 1895-1903.—Atty. at Law, Balt.

Matthew Möller Johnston Vea.—Stoughton, Wis.

Rev. Edward Louis Watson, D. D. Dickinson 1908.—Clergyman, Balt.

Charles Joseph West.—Atty. Gen. of Oklahoma, Guthrie.

Charles Francis Woods, Jr. Ph. D. 1897; Prof. Woman's Coll. Richmond 1897-99; Instr. Swarthmore 1899-1900, Pa. Coll. 1900-02, Univ. of Colo. 1903-04.—Instr. Mod. Lang. Lehigh, S. Bethlehem, Pa.

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1892

Harry Adler, M. D. Univ. of Md. 1895.—Physician, Balt.

Newton Diehl Baker, Jr. LL. B. Wash. and Lee 1894.—Atty. at Law and City Solicitor, Cleveland; Prof. Baldwin Univ. O.

Charles Gambrill Baldwin, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.

Edwin Bernhard Behrend, M. D. Georgetown 1894.—Physician, Wash.; Prof. Pathol. Georgetown Univ.

Rev. Lunsford Emory Bennett, B. D. Drew Theol. Sem. 1894.—Clergyman, Westminster, Md.

Arthur Fisher Bentley (F), Ph. D. 1895.—Chicago.

George Edward Boynton.—Instr. Hist. etc. High School, Brooklyn.

Thomas Richardson Brown, M. D. 1897.—Physician, Balt.; Asst. Physician; Assoc. Medicine; Member, Alumni Council.

Alfred Cookman Bryan, Ph. D. 1896; Instr. Wash. High School, 1896-02, Brooklyn Polytech. Prep. Sch. 1902-04.—Instr. Hist. N. Y. School of Commerce.

*Charles Weathers Bump. **March* 30, 1908.

William Calvin Chesnut, LL. B. Univ. of Md. 1894.—Atty. at Law, Balt.

John Edwin Davis, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.

Henry Haywood Glassie.—Atty. at Law, Washington.

Leon Emanuel Greenbaum, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.

James Wesley Harvey, Jr. LL. B. Univ. of Md. 1893.—Baltimore.

William August Haussmann (F), Ph. D. 1895.—Instr. German, Central High Sch. Phila.

Jose Lewis Hirsh, M. D. Univ. of Md. 1895.—Physician, Balt.; Demonstr. Univ. of Md.

Morris James.—Class Instr. High School, Berkeley, Cal.

Hugh Judge Jewett, LL. B. Univ. of Md. 1894.—Atty. at Law, Glenville, Md.

Theodore Woolsey Johnson, M. E. Stevens Inst. 1896.—Prof. Mech. Eng. U. S. Naval Acad.

John Holladay Latane, Ph. D. 1895, Shaw Lecturer 1898-99; Prof. Randolph-Macon Woman's Coll. 1898-1902.—Prof. Hist. Wash. and Lee, Lexington, Va.

Edward Jaquelin L'Engle.—Atty. at Law, Jacksonville, Fla.

Earl Perkins Lothrop, M. D. Niagara Univ. 1894.—Physician, Buffalo.

Charles Whitney Mixter, Harvard (A. M. 1893, Ph. D. 1897, Asst. 1896-98, Instr. 1902-03).—Prof. Commerce and Econ. Univ. of Vt., Burlington.

Walter Alexander Montgomery, Ph. D. 1899; Instr. Univ. of Ark. 1899-1900; Acting Prof. Miss. Univ. 1900-01.—Prof. Greek and Latin, William and Mary Coll. Va.

James Flack Norris (F), Ph. D. 1895; Instr. and Asst. Prof. Mass. Inst. Tech. 1895-04.—Prof. Chem. Simmons Coll. Boston.

Thomas Dobbin Penniman, Ph. D. 1898.—Elec. Eng. Balt.

Charles William Peppler (F), Ph. D. 1898.—Prof. Greek, Emory Coll. Oxford, Ga.

Albert Moore Reese, Ph. D. 1900; Prof. Allegheny 1901-02; Assoc. Prof. Syracuse 1902-07.—Prof. Zool. W. Va. Univ. Morgantown.

William Miller Roberts, M. D. Univ. of Md. 1897.—Surg. U. S. A.

Abram Barr Snively, M. D. Univ. of Pa. 1895.—Physician, Blue Ridge Summit, Pa.

John Sargent Stearns, M. D. Georgetown 1894.—Physician, Washington.

Charles Daniel Steenken, M. D. P. and S. (N. Y.) 1896.—Physician, Balt.

Leopold Stern.

Lester Latham Stevens, LL. B. Univ. of Md. 1894.—Atty. at Law, Balt.

Gustav Lurman Stewart.—Baltimore.

*John Stewart. **September* 27, 1903.

Redmond Conyngham Stewart, LL. B. Univ. of Md. 1894.—Atty. at Law, Balt.

Arthur Bertram Turner, Ph. D. Univ. of Pa. 1902; Prof. Temple Coll. Phila. 1895-99.—Instr. Math. N. Y. City Coll.

Harold John Turner, Ph. D. 1899; Prof. West. Md. 1900-01; Asst. Tufts 1903-04.—Science Director, High Sch. Montclair, N. J.

Richard Henry Wilson, Jr. Ph. D. 1898, Instr. 1898-99.—Prof. Romance Lang. Univ. of Va. (41)

1893

John Robert Abercrombie, M. D. Univ. of Md. 1895.—Physician, Balt.; Lecturer, Woman's Med. Coll.

Adolph Hall Ahrens.—Baltimore.

Theodore George Ahrens.—Student in Germany.

Delaware Clayton Andre, LL. B. Univ. of Md. 1894.—Atty. at Law, Balt.

Frank Andrews.—Expert, Bureau of Statistics, Dept. of Agric. Wash.

William Steenbergen Blackford.—Baltimore.

George Stewart Brown, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.; Instr. Balt. Law School.

William Lawrence Clark.—Baltimore.

Frank Angier Clark, late Prof. Mars Hill Coll. N. C.—Student, Crozer Theol. Sem. Pa.

Edward Lowell Cox.—Atty. at Law, Parkersburg, W. Va.

Noah Ernest Dorsey (F), Ph. D. 1897, Asst. and Assoc. 1897-1901.—Physicist, Bureau of Standards, Washington.

Howard Blake Dowell, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.

John Hooper Edmondson, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.

Henry Simpson Greenleaf, M. D. Univ. of Pa. 1895.—Res. Phys. Amer. Hosp. Peking, China.

Wilmot Griffiss.—Coronado, Cal.

Louis Philip Hamburger, M. D. 1897.—Physician, Balt.; Asst. Phys.; Assoc. Medicine.

John Hampden Hazelton.—Atty. at Law, N. Y.

Lloyd Lowndes Jackson, Jr. LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.

Millard Langfeld, M. D. 1898.—Phys. and Bacteriol. Board of Health, Omaha, Neb.; Prof. Med. Bacteriol., etc., Creighton Med. Coll.

John Leypold Griffith Lee, LL. B. Univ. of Md. 1894.—Atty. at Law, Balt.

Jacob Moses Moses, LL. B. Univ. of Md. 1895.—Atty. at Law, Balt.; Judge, Juvenile Court.

*Clayland Mullikin, LL. B. Univ. of Md. 1893. **May* 3, 1905.

Charles Watson Newhall.—Math. Master, Shattuck School, Faribault, Minn.

Frederick Bogue Noyes, D. D. S. Northwestern.—Prof. Histol. Dental Dept. Northwestern Univ.; Dentist, Chicago.

Eugene Lindsay Opie (F), M. D. 1897, Asst. Instr. Assoc. Pathol. 1898-04.—Member, Rockefeller Inst. N. Y.; Demonstr. Columbia; Co-Ed. *Jour. of Exper. Med.*

Charles Bingham Penrose, Jr. LL. B. Univ. of Md. 1898.—Atty. at Law, Balt.

Clement Andariese Penrose, M. D. 1897.—Physician, Balt.

Charles Carroll Schenck, Ph. D. 1901; Asst. Lehigh 1901-02; Instr. Physics, McGill 1902-05, Lehigh 1905-08.

Siegmund Bacharach Sonneborn.—Baltimore.

Morris Ames Soper, LL. B. Univ. of Md. 1895.—Asst. U. S. District Atty. Balt.; Instr. Balt. Law School.

Francis Edgar Sparks, Ph. D. 1896.—Atty. at Law, Balt.

Alfred Earnest Speirs.—Chicago, Ill.

Hugo Paul Thieme, Ph. D. 1897; Asst. Prof. Earlham 1897-98; Lecturer 1900-01.—Asst. Prof. French, Univ. of Mich.

Douglas Hamilton Thomas, Jr.—Architect, Balt.; Member, Alumni Council.
Edwin Litchfield Turnbull.—Baltimore.
Rev. John Ogle Warfield, B. D. Episc. Theol. School, Mass. 1896.—Clergyman, Chestnut Hill, Phila.
Henry Skinner West (F), Ph. D. 1899. Instr. 1899-90; Prof. Eng. Balt. City Coll. 1894-97 and 1900; Prin. Western High School 1900-06.—Asst. Supt. of Schools, Balt.
Frederick Wallace Wilson.—Atty. at Law, The Dalles, Oregon.
Leo Wolfenstein.—Cleveland, O.
William Hamilton Kirk (*extra ordinem*) (F), Ph. D. 1895; Instr. Vanderbilt 1895-00.—Prof. Latin, Rutgers, New Brunswick, N. J.
(40)

1894

John Griffith Ames, Jr. A. M. Oxford 1899; Prof. Kenyon 1895-97.—Prof. English, Illinois Coll. Jacksonville.
William Stevenson Baer, M. D. 1898.—Surgeon, Balt.; Orthoped. Surg.; Associate.
Rev. Adolph Ehart Baker, Union Theol. Sem. (Va.) 1897.
Walter Baumgarten, M. D. Wash. Univ. 1896; Asst. Harvard 1897-98; Asst. Med. 1903-04.—Phys. St. Louis; Lecturer, Wash. Univ.
Arthur Henry Baxter, Ph. D. 1898.—Asst. Prof. Romance Lang. Amherst.
Ernest Julius Becker, Ph. D. 1898; Prof. Woman's Coll. Richmond 1899-01.—Prof. Mod. Lang. Balt. City Coll.
Thomas Pumphrey Benson, M. D. Univ. of Md. 1898.—Physician, Hanover, Md.
Thomas Fitz Patrick Cameron.—New York.
Moses S. Cohen, LL. B. Univ. of Md. 1896.—Baltimore.
Bernard Milton Cone, Columbia (A. M. 1896, LL. B. 1897).—Greensboro, N. C.
Charles Angelo Conrad, LL. B. Univ. of Md. 1897.
Walter Cox, M. D. Balt. Univ. 1898.—Asst. Surg. U. S. Marine Hosp. Service.
Percy Millard Dawson (F), M. D. 1898.—Assoc. Prof. Physiol.
Eli Frank, LL. B. Univ. of Md. 1896.—Atty. at Law, Balt.; Instr. Balt. Law School.
Nathaniel Edward Griffin, Ph. D. 1899; Instr. Iowa Univ. 1899-1900; Prof. Wells Coll. 1900-03; Instr. English, Univ. of Vt. 1903-04.—Preceptor, English, Princeton.
Benjamin Howell Griswold, Jr. LL. B. Univ. of Md. 1897.—Balt.; Member, Alumni Council.
Richard Jordan Hancock, Jr.—Atty. at Law, Atlanta, Ga.
Stephen Cloud Harry.—Math. Instr. Friends' School, Balt.
Thomas Wood Hastings, M. D. 1898.—Physician, N. Y.; Prof. Clin. Pathol. Cornell.
Rev. Conrad Augustine Hauser, Lancaster Theol. Sem. 1897.—Clergyman, Rochester, N. Y.
Herman Frederick Krafft, LL. B. Columbia 1898.—Instr. English, U. S. N. Acad. Annapolis.
Harry Taylor Marshall (F), M. D. 1898, Asst. and Instr. 1900-06.—Prof. Pathol. Univ. of Va.
George Stevens Maynard, Profic. in Elec. 1896.—Gen. Elec. Co. Schenectady.
Louis Wardlaw Miles (F), M. D. Univ. of Md. 1897; Ph. D. 1902.—Preceptor, English, Princeton.
William Albert Nitze (F), Ph. D. 1899; Lecturer and Tutor, Columbia 1899-03; Prof. Amherst 1903-08.—Prof. Romance Lang. Univ. of Cal. 1908-09; Prof. (elect) Univ. of Chicago.
James Piper, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.
John Eugene Howard Post.—French Master, Country School for Boys, Balt.
John Hurst Purnell.—Baltimore.
Milton Reizenstein, Ph. D. 1897.—Supt. Hebrew Educ. Soc. Brooklyn.
Frank Roy Rutter (F), Ph. D. 1897.—Dept. of Agric. Wash.
Simon H. Stein, LL. B. Univ. of Md. 1896.—Baltimore.
Emerson H. Strickler.—Gen. Chem. Co. N. Y.
Joseph Pembroke Thom, Jr. LL. B. Univ. of Md. 1901.—Atty. at Law, Balt.
Rev. George Harvey Trull, Princeton Theol. Sem. 1897.—Clergyman, New York.
Clinton Gambrill Tudor.—Civil Engr. Reno, Nev.
Malcolm Van Vechten Tyson, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.
Horace Scudder Uhler (F), Ph. D. 1905; Instr. Northwestern 1896-97.—Asst. Prof. Physics, Yale.
George Talbot Whitfield.—Atty. at Law, Tallahassee, Fla.
Pere Lethrbury Wickes, Jr.
*Chester Clark Wood. **September* 11, 1895.
James Curtis Ballagh (*extra ordinem*), Ph. D. 1895; LL. D. Univ. of Ala. 1906.—Assoc. Prof. American Hist.
(41)

1895

Wilbur Withrow Ballagh.—Tenafly, N. J.
William Sherman Bansemer, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.
Harry Bissing, Profic. in Elec. 1895.—Elec. Engr. N. Y.
Hanson Briscoe Black.—Captain, U. S. Artillery, Valdez, Alaska.

Rev. Charles Henry Hardin Branch, Princeton Theol. Sem. 1898.—Clergyman, Lexington, Ky.

George Dobbin Brown (F), Ph. D. 1901; Acting Prof. Univ. of Vt. 1901-02.—Instr. English, Princeton.

Lawrason Brown, M. D. 1900.—Physician, Saranac Lake, N. Y.

Humphrey Warren Buckler, M. D. 1899, Asst. 1900-06.—Physician, Balt.

William Mack Chowning, S. B. Knox 1894; M. D. Mich. 1901.—Physician, Minneapolis; Demonstr. Pathol. etc. Univ. of Minn.

Charles Bevan Clark, S. B. Mass. Inst. Tech. 1897.—Civil Eng. Balt.

Gilbert Abraham Coblens.—Baltimore.

*Reuben Carll Foster, LL. B. Univ. of Md. 1897. **January* 27, 1908.

Frank Taylor Fulton, S. B. Knox 1894; M. D. 1899.—Pathol. and Director, Pathol. Lab. R. I. Hosp.; Instr. Brown; Phys. Providence.

*James Daton Gallagher, M. D. 1899. **April* 1, 1901.

George Herbert Gray.—Architect, N. Y.

Milton Daniel Greenbaum, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.

Roland Bridendall Harvey, LL. B. Univ. of Md. 1896.—Atty. at Law, Balt.

George Oscar James (F), Ph. D. 1899; Instr. Univ. of Utah 1896-97; Lecturer, Assoc. Prof. Columbian 1900-02; Instr. Lehigh 1902-03.—Asst. Prof. Astron. and Math. Washington Univ. St. Louis.

Stuart Symington Janney, LL. B. Univ. of Md. 1901.—Atty. at Law; Instr. Balt. Law School.

Marcus Kaufman, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.

Charles Alexander Kilvert.—Providence, R. I.

Ernest Pendleton Magruder, Columbian (A. M. 1900. M. D. 1902).—Supt. Central Disp. and Emergency Hosp. Wash.

*Edward Spiller Oliver, M. D. 1900. **March* 18, 1902.

John Donaldson Parker, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.

David Sterrett Pindell, Profic. in Elec. 1897.—Elec. Engr. Sault Ste. Marie, Mich.

Jacob Hall Pleasants, Jr. M. D. 1899.—Physician, Balt.; Prest. Supervisors of City Charities; Assoc. Prof. Coll. of P. and S.: Asst. Phys.; Instr. Med.; Member, Alumni Council.

Rev. Gustav Rudolph Poetter, Lancaster Theol. Sem. 1898.—Clergyman, Balt.

John Andrew Robinson, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.

Sylvan Rosenheim, M. D. 1899, Asst. and Clin. Asst. 1903-07.—Physician, Balt.

Charles Albert Savage, Ph. D. 1903.—Prof. Greek, Univ. of Minn. Minneapolis.

Edgar Randolph Strobel, M. D. 1899.—Physician, Balt.; Clin. Prof. Balt. Med. Coll.; Clin. Asst.; Instr. Dermatol.

Robert McIlvaine Torrence.—Washington, Pa.

Campbell Easter Waters, Ph. D. 1899; Prof. Conn. Agric. 1900-01; Asst. 1901-04.—Chemist, Bureau of Standards, Wash.

Rev. Arthur Charles Watkins, B. D. Union Theol. Sem. N. Y. 1900.—Clergyman, Phoenix, N. Y.

Henry Abel Whittaker.—Atty. at Law, Belair, Md.

William Whitridge Williams, M. D. 1899; Asst. Prague 1900-01, Harvard 1901-03, Western Reserve 1903-08.—Director, Webb Research Lab. Colorado Springs.

William Wingert, LL. B. Univ. of Md. 1897.—Atty. at Law, Hagerstown. (37)

1896

Thomas Sewell Adams (F), Ph. D. 1899.—Asst. Prof. Econ. Univ. of Wis. Madison.

Cornelius Beatty, Prof. Des Moines Coll. 1899-02; Instr. Chem. Grant Univ. Tenn. 1902-06.—Baltimore.

Augustus Cæsar Binswanger.—Atty. at Law, Balt.

Charles Edward Caspari (F), Ph. D. 1900; Asst. Columbia 1900-01.—Prof. Chem. St. Louis Coll. of Pharmacy.

Clarence Carroll Clark, Ph. D. Yale 1903.—Assoc. Prof. English, Bryn Mawr.

Rev. Frank Wilbur Collier, S. T. B. Boston Univ. 1899.—Clergyman, Malden, Mass.

Rev. Charles Edward Diehl, Princeton Theol. Sem. 1900; A. M. Princeton 1900.—Clergyman, Clarksville, Tenn.

William Reginald Dorsey.—Atty. at Law, Balt.

George Dyre Eldridge, Jr. LL. B. Columbia 1900.—New York.

Rev. Albert Dale Gantz, Princeton Theol. Sem. 1899; A. M. Princeton 1899.—Clergyman, New York.

Alfred Dearing Harden.—Atty. at Law, Savannah, Ga.

*William Faithful Hendrickson, M. D. 1900; Asst. Dem. Pathol. Univ. of Pa. 1900-02. **August* 21, 1902.

*Frank Holmes Johnson. **June* 20, 1896.

Charles Harwood Knight.—Baltimore.

William Kurrelmeyer (F), Ph. D. 1899; Prof. Franklin and Marshall 1899-90.—Assoc. German.

Robert Lacy, S. B. Mass. Inst. Tech. 1898.—Civil Engr. Balt.

Henry Lanahan, Prof. Physics, Md. Agric. 1896-1906, LL. B. Nat. Univ. 1909. — Asst. Examiner, U. S. Patent Office, Wash.
Monroe Luchs.—Washington, D. C.
Arthur Webster Machen, Jr. LL. B. Harvard 1899.—Atty. at Law, Balt.; Instr. Balt. Law School.
Richard Elliott Marine.—Asst. Examiner U. S. Patent Office, Wash.
Henry Pickering Parker, M. D. 1901. —Physician, Wash.; Asst. Emergency Hosp.
Albert Cabell Ritchie, LL. B. Univ. of Md. 1898.—Atty. at Law, Balt.; Asst. City Solicitor.
Louis Rosenbaum, LL. B. Univ. of Md. 1898.—Atty. at Law, Balt.
Glanville Yelsley Rusk, M. D. 1900; Asst. 1902-03.—Pathol. Inst. Ward's Island, N. Y.
Laurence Frederick Schmeckebier (F), Ph. D. 1899.—Chief, Div. of Publications, Dept. of Interior, Wash.
James Eustace Shaw (F), Ph. D. 1900.—Assoc. Italian.
St. George Leakin Sioussat, Ph. D. 1899; Instr. Smith Coll. 1899-04. —Prof. Hist. Univ. of the South, Sewanee, Tenn.
Alexander Raymond Stevens, M. D. 1903.—House Surg. Presb. Hosp. N. Y.
Rev. John Wesley Richardson Sumwalt.—Clergyman, Washington.
John Hanson Thomas, LL. B. Univ. of Md. 1897.—Atty. at Law, Balt.
Charles Burnet Torsch.—Baltimore.
James McConkey Trippe, LL. B. Univ. of Md. 1898.—Atty. at Law, Balt.
Charles William Waldner (F), Profic. in Elec. 1892, Ph. D. 1898, Asst. 1898-99; Instr. Williams 1899-1901.—Physicist, Bureau of Standards, Wash.
William Fisher Wallis.—Magnetic Observer, U. S. Coast Survey.
Frederick Howard Warfield, LL. B. Univ. of Md. 1899.—Atty. at Law, Balt.
Rev. John Armistead Welbourn, A. M. Columbian 1898; Va. Theol. Sem. 1899.—Missionary, Tokyo, Japan.
John Montgomery West, M. D. 1901. —Physician, Balt.; Asst. Laryngol. etc. (37)

1897

Herbert Henry Adams, C. E. Mass. Inst. Tech. 1899.—Civil Engr. St. Thomas, Ont.
Frederick Henry Baetjer, M. D. 1901. —Assoc. Surg.; Asst. Actinography; Surgeon, Balt.
Robert Ernest Belknap.—Pa. Steel Co. Chicago.
Frank Ringgold Blake (F), Ph. D. 1902.—Instr. Hist. Balt. City Coll.; Assoc. Oriental Lang.
Edward Lingan Bowlus, M. D. Univ. of Md. 1906; Prof. Mt. Union Coll. 1902; Instr. Biol. Monmouth Coll. 1902-03.—Physician, Balt.
Charles Keyser Edmunds (F), Ph. D. 1903: Acting Prof. Univ. of Utah, 1898-99.—Pres. and Prof. Physics, Christian Coll. Canton, China.
Howard Main Gassman, E. E. Lehigh 1901; Instr. Ursinus 1897-99. —Elec. Engr. Birmingham, Ala.
Neil Duncan Graham, M. D. 1901.—Physician, Wash.; Asst. Prof. Obstetrics etc. Howard Univ.
Charles Saloman Guggenheimer.—Atty. at Law, N. Y.
Frank Arnold Hancock.—Chemist, Balt.
Landry Harwood, LL. B. Kansas City Law School 1899.—Atty. at Law, Kansas City.
Rev. Eugene de Forest Heald, Jr. S. T. B. Gen. Theol. Sem. N. Y. 1907.—Clergyman, Lowell, Mass.
Michael Ernest Jenkins, LL. B. Harvard 1900.—Atty. at Law, Balt.
Harry M. Kaufman, M. D. 1901.—Physician, Wash.; Dem. Pathol. George Washington Univ.
Rev. Frank Albert Killmon.—Clergyman, Long Green, Md.
Rev. John Edgar Knipp, Union Biblical Sem. O. 1900; Instr. Doshisha Kyoto, 1900-03.—Dayton, O.
Theodore Morgan Leary.—New York.
William Strobel Levy.—Atty. at Law, Balt.
Warfield Theobald Longcope, M. D. 1901.—Director, Ayer Clin. Lab. Pa. Hosp. Phila.; Instr. Med. Univ. of Pa.
Charles Edward Lyon, Ph. D. 1904; Instr. Williams 1904-05.—Instr. Mod. Lang. Princeton.
Rev. Henry Clay McComas, Jr. A. M. Columbia 1898; Union Theol. Sem. N. Y. 1900.—Student, Harvard.
George Lovic Pierce Radcliffe, Ph. D. 1900: LL. B. Univ. of Md. 1903; Prin. Cambridge (Md.) High Sch. 1900-01; Instr. Hist. Balt. City Coll. 1901-02. — 1st Vice-Pres. Amer. Bonding Co. Balt.; Sec. Alumni Council
Herbert Meredith Reese (F), Ph. D. 1900; Asst. Lick Observ. 1900-03, Yerkes Observ. 1903-04 — Asst. Prof. Physics, Univ. of Mo. Columbia.
*Alexander Henry Schulz, Jr. **June* 5, 1908.
Rev. John Frederick Schunck, B. D. West Phila. Divinity School 1901. —Clergyman, Weldon, Pa.
*Henry Plant Shuter. **October* 17, 1898.
Josiah Morris Siemons, M. D. 1901.—Phys. Balt.; Assoc. Prof. Obstetrics.
Samuel Hamilton Spragins, A. M. Yale 1899.—Supt. of Schools, Helena, Ark.
Albert Louis Steinfeld, M. D. 1901.—Lecturer, Toledo Med. Coll.; Physician, Toledo, O.

James McIlhany Thomson.—Editor, *The Item*, New Orleans, La.
Albert James Underhill, M. D. 1901. —Phys. Balt.; Clin. Asst. Surg.
Louis Marshall Warfield, M. D. 1901. —Physician, St. Louis; Lecturer, Wash. Univ.
George William Warren, M. D. 1901. —Physician, N. Y.
David Emrich Weglein, Instr. Balt. City Coll. 1902-06.—Princ. Western High School, Balt.
Dudley Williams, M. D. 1902.—Physician, Balt.; Asst. Phys.
Henry Merryman Wilson.—Prof. Textiles, A. and M. Coll. of N. C. Raleigh.
Charles Knickerbacker Winne, Jr. M. D. 1901.—Physician, Albany, N. Y.; Instr. Albany Med. Coll. (37)

1898

Zadok Marshall Ballard.—Editor, *The Item*, New Orleans, La.
Odin Baltimore Bestor.
Duncan Kenner Brent, LL. B. Univ. of Md. 1900.—Atty. at Law, Balt.
Bennet Bernard Browne, Jr. M. D. 1902.—Physician, Balt.; Clin. Asst.
George Miltenberger Clarke.—Atty. at Law, N. Y.
Henry Wireman Cook, M. D. 1902.—Physician, Minneapolis.
Rev. Albert Charles Dieffenbach, Lancaster Theol. Sem. 1901.—Clergyman, Allegheny, Pa.; Ed. of "Religion," Pittsburg *Gazette-Times*.
Gustavus Charles Dohme, M. D. 1902. —Physician, Balt.; Assoc. Prof. Chem. Md. Med. Coll.
Ralph Duffy, M. D. 1902.—Res. Surg. Franklin Sq. Hosp. Balt.
James F. Ferguson.—Baltimore.
John Somerville Fischer, M. D. 1903. —Chief Med. Clinic, St. Joseph's Hosp. Disp.; Assoc. Balt. Med. Coll.; Phys. Balt.
Thomas Fitzgerald, Jr.—Elec. Engr. Lexington, Ky.
Lawrence Hall Fowler, S. B. Columbia 1902.—Architect, Balt.
William Willoughby Francis, M. D. 1902, Asst. 1904-05.—Phys. Montreal; Clin. Asst. Royal Victoria Hosp.; Asst. Dem. McGill Univ.
William Cazenove Gardner.—Dixon, Wyoming.
Alexander Gordon, Jr. LL. B. Univ. of Md. 1900.—Atty. at Law, Balt.
William Browne Hammond, Jr. LL. B. Univ. of Md. 1900.—Atty. at Law, Balt.
Philip Warner Harry, Ph. D. 1903; Instr. Univ. of Me. 1901-02, Univ. of Cincinnati 1903-06. — Instr. French, Northwestern Univ. Evanston, Ill.
Leonard Keene Hirshberg, M. D. 1902.—Physician, Balt.; Assoc. Neurol. Coll. of P. and S.; Chief, Nerve Clinic, City Hosp.
Conway Shaler Hodges.—Atty. at Law, Balt.
William Randle Hubner, LL. B. Univ. of Md. 1900.—Atty. at Law, Balt.
Robert Henry Jones.
*Charles Wesley Kalb. **October* 31, 1907.
James Alfred Kennard, LL. B. Univ. of Md. 1901.—Toronto, Ont.
Louis Charles Lehr, M. D. 1902.—Phys. Washington.
Henry John Lucke, Lafayette (A. M. 1901, Instr. Math. 1900-02).—Patent Atty. New York.
David Gregg McIntosh, Jr. LL. B. Univ. of Md. 1901.—Atty. at Law, Balt.
Frank Oldham Miller, M. D. Univ. of Md. 1902.—Physician, Balt.
Raymond Durbin Miller (F), Ph. D. 1904: Instr. Univ. of Texas 1905-06; Syracuse 1906-08, — Instr. English, Univ. of Mo. Columbia.
Solomon Brenner Myers.—New York.
Harold Pender, Ph. D. 1901; Instr. Physics, Syracuse 1902-03. — Elec. Engr. N. Y.
Thomas Lindley Pyle.—Pylesville, Md.
Vincent Adams Renouf.—Prof. Hist. etc. Univ. of Tientsin, China.
George Barr Scholl, M. D. 1902.—Physician, Balt.; Prof. Pathol. Md. Med. Coll.; Pathol. Franklin Sq. Hosp.; Health Officer, City Board of Health.
Alexander Lazear Seth, LL. B. Univ. of Md. 1901.—Atty. at Law, Balt.
Frederick Williamson Smith, C. E. Mass. Inst. Tech. 1901.
Robert Marsden Smith, LL. B. Univ. of Md. 1900.—Atty. at Law, Balt.
Victor Edgeworth Smith. — New York.
Charles Miner Stearns.—Regent and Instr. English, Harvard.
Leo D. Stein.—Artist, Paris.
William Plunket Stewart.—Phila.
Albert Gad Stidman, Instr. Mod. Lang. Lehigh, 1902-04.—Baltimore.
William Ellinger Straus. — Baltimore.
Joseph Nathan Ulman, A. M. Columbia 1900.—Atty. at Law, Balt.
John Boswell Whitehead, Profic. in Elec. 1893, Ph. D. 1902.—Assoc. Prof. Elec.
Powhatan Johnson Wooldridge.—Louisville, Ky.
Jacob Forney Young.—Baltimore.
Rev. Charles Smith Lewis (*extra ordinem*), S. T. B. Gen. Theol. Sem. (N. Y.) 1895.—Clergyman, Woodstock, Vt. (48)

1899

James Robert Charlton Armstrong, Profic. in Elec. 1899.—Elec. Engr. N. Y.
George Diuguid Davidson, late Instr. Romance Lang. Univ. of Va.

Henry Carter Downes, LL. B. Univ. of Md. 1901.—Atty. at Law, Balt.
Ferdinand Colquhoun Fisher.—Balt.
Walter Melvin Fooks.—Atty. at Law, Balt.
Eddy Burke Fosnocht.—Mod. Lang. Master, Riverview Acad. Poughkeepsie, N. Y.
Simon Walter Frank.—Baltimore.
John Calvin French (F), Ph. D. 1905.—Assoc. English.
*Charles Carter Gaddess. **June* 16, 1901.
John Reed Gemmill.—Denver, Colo.
Harry Seliger Greenbaum, M. D. 1904.—Asst. Phys.; Instr. Med.; Physician, Balt.
Robert Harold Grimes, LL. B. Harvard 1902.—Atty. at Law, N. Y.
Clarence Maurice Guggenheimer.—New York.
Hugh Sisson Hanna, Ph. D. 1906.—Baltimore.
Stephen Paul Harwood. — Atty. at Law, Balt.
Louis Wardlaw Haskell, Jr. M. D. 1903.—Physician, Memphis, Tenn.; Asst. Prof Coll. of P. & S.
Talbot Dickson Jones.—Baltimore.
Leon Lewis Joyner.—Baltimore.
Karl Jungbluth, Jr.—Louisville, Ky.
John Albert Kalb, A. M. Columbia 1908.—Supervising Princ. Public Schools, Milburn, N. J.
John Hendricken King, M. D. 1906. —Physician, Balt.; Instr. Med.
George Wroth Knapp, Jr.—Baltimore.
Walter Marshall Krager. — Baltimore.
Herman Kurrelmeyer (F), Ph. D. 1902. — Instr. Mod. Lang. Mass. Inst. Tech.
*Joshua Levering, Jr. **August* 23, 1900.
James Morfit Mullen.—Atty. at Law, Balt.
Philip Austen Murkland, LL. B. Univ. of Md. 1901.—Chicago.
Edward Livingston Palmer, Jr. —Architect, Balt.
John Howard Palmer.—Baltimore.
Charles Mallory Remsen, M. D. 1904. —Asst. Res. Surgeon.
Lawrence Anton Reymann. — Atty. at Law, Wheeling, W. Va.
Edward Ayrault Robinson, Jr.— Atty. at Law, Balt.
George Canby Robinson, M. D. 1903. —Res. Phys. Pa. Hosp. Phila.
William Leavell Ross. — Asst. Ed. *The Leader*, Cleveland, O.
Edwin Albert Spilman.—Baltimore.
Rene de M. Taveau.—Chemist, Wash. D. C.
Richard Henry Thomas.
Ottomar Siegmund Werber.—Tonopah, Nev. (38)

1900

Rev. Roger Brooke Tanev Anderson, S. T. B. Gen. Theol. Sem. (N. Y.) 1903.—Clergyman, Sewanee, Tenn.
Howard Baetjer, C. E. Mass. Inst. Tech. 1902.—Civil Engr. Balt.
Christian John Beeuwkes.—Atty. at Law, Balt.
Henry Bogue.—Instr. Balt. Polytech. Inst.
*Byron Noble Bouchelle. ***March* 4, 1908.
Austin Adams Breed.—Cincinnati, O.
Charles Edward Brooks. Ph. D. 1904. —Insurance Actuary, Newark, N. J.
Edward Skipwith Bruce. — Baltimore.
James Luther Albert Burrell.
Rev. Lyttleton Morgan Chambers.—Clergyman, Balt.
Christopher Thompson Clark, LL. B. Columbian 1903. — Atty. at Law, Lakin, Kan.
McQuilkin DeGrange, LL. B. Catholic Univ. 1903; Asst. English, Univ. of Wash. 1904-06.
John Howard Eager.—Baltimore.
Rev. John Edward Ewell, Va. Theol. Sem. 1903.—Clergyman, Clarksburg, W. Va.
Frederick Bonner Flinn.—Newark, N. J.
Frederick Foster. — Atty. at Law, Balt.
Otto Charles Glaser, Ph. D. 1904, Bruce Fellow 1904-05.—Asst. Prof. Zool. Univ. of Mich.
Joseph David Greene.
John Wheeler Griffin, LL. B. Harvard 1903.—Atty. at Law, N. Y.
Stuart Heyman.—Baltimore.
Henry Dickinson Hill, Ph. D. 1904. —Elec. Engr. Wilkinsburg, Pa.
John Philip Hill, LL. B. Harvard 1903.—Atty. at Law, Balt.
Edward Pechin Hyde (F), Ph. D. 1906.—Director, Phys. Lab. Nat. Elec. Lamp Assoc. Cleveland.
Albert Keidel, M. D. 1903.—Physician, Balt.
Robert Clark Kerr.—Baltimore.
Maurice Lazenby, M. D. 1903.—Physician, Balt.; Assoc. Prof. Woman's Med. Coll.; Prof. Md. Med. Coll.
Donald Macy Liddell. — Chemist, Grassell, Ind.
Norvin Rudolf Lindheim.—Atty. at Law, N. Y.
Leonard Leopold Mackall (F).—Student in Germany.
Thomas Hartley Marshall.—Balt.
Reginald Ley McAll.
Jared Sparks Moore, Harvard (A. M. 1903, Ph. D. 1905, Asst. Philos. 1904-07).—Instr. Philos. West. Reserve Univ. Cleveland.
James Girvin Peters, M. F. Yale 1903. —U. S. Forestry Service, Wash.
Tobias Noel DeLoughmoe Purcell.
Robert Bruce Roulston (F), Ph. D. 1906.—Instr. German.
Frank Peyton Rous, M. D. 1905; Instr. Univ. of Mich. 1906-08.—Asst. Med. Bact. Lab.

James Edward Routh, Ph. D. 1905; Asst. Univ. of Texas 1906-07.—Instr. English, Washington Univ. St. Louis.
Alexander Van Rennsselaer Schermerhorn.—Atty. at Law, Muskogee, Okla.
Wilson Levering Smith.—Architect, Balt.
Miltenberger Neale Smull. — Librarian, Balt.
James Carlyle Stevens.—Norfolk, Va.
George Lane Taneyhill, Jr. M. D. 1904. — Physician, Balt.; Instr. Neurol.; Asst. Phys.
Bayard Turnbull.—Architect, Balt.
Miller Wingert.—Hagerstown, Md.
Nathan Winslow, M. D. Univ. of Md. 1901.—Physician, Balt.
Arthur Wright.—Atty. at Law, N. Y. (46)

1901

Ronald Taylor Abercrombie, M. D. 1905.—Physician, Balt.; Director, Gymnasium; Lecturer, Woman's Med. Coll.
Hollis Roswell Baker. — Aberdeen, Md.
Leon Kahn Baldauf, M. D. 1905; Instr. Albany Med. Coll. 1905-07. —Asst. City Pathologist, St. Louis.
John Martin Bandel. Auburn Theol. Sem. 1904.—Civil Engr. Balt.
Bertram Moses Bernheim. M. D. 1905.—Surgeon, Balt.; Asst. Surgery.
Andrew Reid Bird, Presb. Theol. Sem. Richmond 1905.—Clergyman, Laurel, Md.
John Manning Booker.
Norman Boyer.—New York.
John Straith Briscoe.—Baltimore.
Ernest Bonsall Brown.—Dept. of Agric. Wash.
*Alfred William Bruton. **May* 1, 1903.
Mortimer Bye.—Chemist, Cincinnati.
Harry Stephenson Byrne, Omaha Law Sch. (LL. B. 1905. Instr. 1906).—Asst. Sec. Nat. Fidelity & Casualty Co., Omaha, Neb.
George Cator, Ph. D. 1902.—Prest. American Bonding Co. Balt.
Kosciusko Walker Constantine, M. D. 1905.—Surgeon, Birmingham, Ala.
Frederick Richard Dapprich.—Instr. German, Purdue, Lafayette, Ind.
Robert Sergeant Duck.—Baltimore.
Aaron Ember (F), Ph. D. 1904.—Rayner Fellow; Assoc. Hebrew.
Leyburn Grear Fishach. — Treas. Dept. Wash.
John Frederick Gray.
William Hall Harris, Jr.—Atty. at Law, Balt.
Ernest Cummins Hatch. — Atty. at Law, Towson, Md.
Lee Milton Hollander (F), Ph. D. 1905; Instr. Univ. of Mich. 1908-09. — Instr. German, Princeton 1909.—
Walter Isaac Kohn.—Louisville, Ky.
Eugene Joseph Leopold, M. D. 1905. —Physician, Balt.; Asst. Med.
Edward Breckenridge Lowndes.—Baltimore.
John Gresham Machen, Princeton Theol. Sem. 1905, and Instr. in New Test. Lit. and Greek.
Robert Brooks Morse, S. B. Mass. Inst. Tech. 1904. — Draftsman, Sewerage Commission, Balt.
Rev. Edward Richards Noble, Gen. Theol. Sem. (N. Y.) 1904.—Clergyman, Wilkes-Barre, Pa.
George Edward Rehberger, M. D. 1905.—Phys. Sonyea, N. Y.
John Adelbert Riggins, LL. B. Univ. of Pa. 1904.—Atty. at Law, Camden, N. J.
Forrest Shreve (F), Ph. D. 1905; Bruce Fellow 1905-06; Lecturer 1907-08; Assoc. Prof. Woman's Coll. Balt. 1907-08. — Research Botanist, Carnegie Inst. Tucson, Ariz.
Rev. William Payne Shriver, Union Theol. Sem. (N. Y.) 1904.—Clergyman, N. Y.
Guy Everett Snavely, Ph. D. 1908.—Asst. Prof. French, Allegheny Coll. Meadville, Pa.
Lindsay Coleman Spencer.—Atty. at Law, Balt.
Julian Samuel Stein.—Baltimore.
*Otto Albert Struth. **September* 1, 1902.
Walter B. Swindell, Jr.—Balt.
James Edward Tyler, Jr.—Atty. at Law, Balt.
Henry Michael Warner, M. E. Univ. of Wis. 1903.
Augustus Price West, Ph. D. 1905.—Chemist, Balt.
Horace Slingluff Whitman.—Atty. at Law, Balt.
Marcus Wilton Wolf, Jr.—Atty. at Law, Balt. (43)

1902

Edward Bailey Beasley, M. D. 1906. —Physician, Balt.
Henry Beenwkes, M. D. 1906. — Interne, N. Y. Hosp. N. Y.
Elbridge Palmer Bernheim.—Louisville, Ky.
William Jackins Buttner.—Md. Steel Co. Sparrows Pt.
John Gorsuch Campbell.—Instr. St. James School, Md.
Robert Treat Crane (F), Ph. D. 1907. —U. S. Consular Service, Montreal, Canada.
Albert Goucher Dew.—Fellow.
Ross Miles Diggs. — Atty. at Law, Balt.
Joseph Townsend England, LL. B. Univ. of Md.; A. M. 1909.—Atty. at Law, Balt.
Horace Clendenin Gillespie.—Prin. W. Nottingham Acad. Colora, Md.
John Sharshall Grasty, Ph. D. 1908. —Adj. Prof Econ. Geol. Univ. of Va.; Asst. State Geologist, Charlottesville, Va.
Frederick Lee Guggenheimer.—Atty. at Law, N. Y.

Rev. John Phelps Hand.—Clergyman, Balt.
Henry Honeyman Hazen, M. D. 1906.—Phys. Washington.
Louis Foltat Hildebrandt. — Prof. French and German, S. C. Mil. Acad. Charleston.
William Bryant Hill.—Md. Casualty Co. Balt.
William Edwin Hoffman, Jr. Ph. D. 1905.—City Chemist, Balt.
William Kirk (F), Ph. D. 1905.—Asst. Prof. Econ. Brown Univ. Providence.
William Howard Koppelman.—Civil Engr. Louisville, Ky.
David Israel Macht, M. D. 1906.—Physician, Balt.; Asst. Med.
Ogle Marbury.—Atty. at Law, Balt.
Charles Markell, Jr.—Atty. at Law, Balt.
Bartgis McGlone, Ph. D. 1907; Instr. Ill. Wesleyan, 1903-05. — Prof. Biol. St. John's, Annapolis.
Robert Emory Moore, M. D. 1906.—Interne, Kings Co. Hosp. Brooklyn.
Lyman Clements Murphy.
Charles Augustus Myers (F)—Instr. English, Univ. of Mo. Columbia.
John Norris Myers, Jr.—New York.
Marbury Bladen Ogle (F), Ph. D. 1907.—Asst. Prof. Latin, Univ. of Vt. Burlington.
Aubrey Pearre, Jr. LL. B. Harvard 1905.—Atty. at Law, Balt.
Isaac Rosenbaum Pels, M. D. 1906.—Physician, Balt.
Thomas Coulson Pinkerton, S. B. Mass. Inst. Tech. 1905. — Chem. Engr.
Milton Williams Powell.
Benjamin Swayne Putts, M. D. 1906.—Phys. Rittman, O.
Charles Frederick Ranft. — Instr. Hist. Balt. Polytech. Inst.
Walter Ford Reynolds.—Aid, U. S. Coast Survey. Wash.
Jacob Abner Sayler, Jr. LL. B. Harvard 1905.—Atty. at Law, Balt.
William Christian Schmeisser. — Atty. at Law, Balt.
Ralph Carlton Sharretts.—Atty. at Law, Balt.
Lloyd Parker Shippen, M. D. Univ. of Pa. 1907.
Gibson Emerson Sisco.
John Aydelotte Siemons. — New York.
Sidney Smith, LL. B. Harvard 1905.—Atty. at Law, Louisville, Ky.
Harvey Brinton Stone, M. D. 1906.—Adj. Prof. Surg. Univ. of Va. Charlottesville.
Henry Philip Straus, Ph. D. 1905.—Mfg. Chemist, Balt.
Solomon Strouse, M. D. 1906.—Physician, Balt.
Samuel Wolman, M. D. 1906.—Phys. Balt.; Instr. Med.; Asst. Phys.
Peregrine Wroth, Jr. M. D. 1906.—Surgeon, Hagerstown, Md. (47)

1903

John Armstrong Addison.—Sec. Student Y. M. C. A., N. Y.
Louis Adelsdorf.—Baltimore.
William Wetherall Ammen, S. B. Mass. Inst. Tech. 1905.—Asst. Examiner, U. S. Patent Office.
Harry Norman Baetjer, LL. B. Univ. of Md. 1905.—Atty. at Law, Balt.
Arthur Newsom Baldauf. — Physician, Louisville.
Edgar Sutro Bamberger. — Newark. N. J.
William Sellman Bird.—*Review of Reviews*, Chicago.
Frederick Conrad Blanck, Ph. D. 1907; Research Asst. Harvard 1907-08.—Chemist, Balt.
Solomon Blum, Ph. D. 1907.—Fresno, Cal.
James Wallace Bryan, Ph. D. 1908; LL. B. Univ. of Md. 1905.—Atty. at Law, Balt.
Jenks Cameron. — Teacher, Walla Walla, Wash.
James Bayard Gregg Custis, Jr. M. D. Homeopath. Med. Coll. N. Y. 1907.—Interne, Flower Hosp. N. Y.
Alphonse Raymond Vivian Dochez. M. D. 1907.—Fellow, Rockefeller Inst. N. Y.
Theodore Wesley Glocker (F). Ph. D. 1907, Asst. 1907-08. — Associate, School for Social Workers, Boston.
John Alan Haughton.—Baltimore.
Franklin Hazlehurst, Jr. M. D. 1907.—Phys. Balt.; Surg. Garrett Hosp.
Moses Walton Hendry.—Washington.
John Coffey Hildt, Ph. D. 1906.—Instr. Hist. Smith Coll. Northampton, Mass.
Eben Charles Hill, M. D. 1907, Asst. 1907-08.—1st Lieut. and Asst. Surg. Med. Reserve Corps, U. S. A. Wash.
Richard Curzon Hoffman, Jr.—Baltimore.
Stuart Cator Hopper.—Baltimore.
Robert Sampson Lanier.—*Review of Reviews*, N. Y.
Charles Alexander Marshall.—Baltimore.
Rev. Benjamin Wilcher Meeks. — Clergyman, Washington.
McHardy Mower.
William Urwick Murkland.—Cerro de Pasco, Peru.
John Marbury Nelson, Jr. — Forest Asst. U. S. Dept. of Agric.
Rev. Robert James Nicholson.—Clergyman, Annapolis, Md.
Robinson Cator Pagon.—Baltimore.
William Turner Parsons, M. D. 1907.—Physician, Balt.
Eugene Leo Pessagno, M. D. 1907.—Phys. St. Joseph's Hosp. Disp. Balt.
Harry Ward Plaggemeyer, M. D. 1907.—Interne, Kings Co. Hosp. Brooklyn.

Charles Woodward Riley, M. D. 1907. —Interne, Woman's Hosp. N. Y.
Charles Albert Robinson, Jr. M. E. Cornell 1906.—N. Y. Telephone Co.
Edgar Poe Sandrock, M. D. 1907.—Res. Phys. St. Agnes Hosp. Balt.
Joseph Tate Smith, Jr. M. D. 1907. —Asst. Res. Obstetrician.
Wilton Snowden, Jr.—Atty. at Law, Balt.
Philip Rayner Straus.
George Drayton Strayer, Columbia (Fellow 1904-05, Ph.D. 1905; Adj. Prof. Elem. Educ. Teachers Coll).
Charles Henry Stubenrauch, M. D. 1907.—Phys. Balt.; Asst. Med.
Harry King Tootle.
George William Townsend. — Civil Engr. Balt.
James de Lancey Ver Planck.—Fishkill, N. Y.
Harry Augustus Warner, S. B. Princeton 1904.—Student of Law, Balt.
Milton Charles Winternitz (F), M. D. 1907.—Instr. Pathol.
Alexander Yearley, 3d. — Atty. at Law, Balt. (46)

1904

Sidney Herman Adler.—St. Mark's Hosp. N. Y.
Charles Robert Austrian, M. D. 1909.
Jesse Lee Bennett.—Baltimore.
Joseph Robson Bromwell Branch, M. D. 1908.—House Officer.
William Edmonston Crozier. Instr. Ala. Polytech. 1904-05.—Balt.
Philip Dettelbach.—Oil City, Pa.
John William Emig.—New York.
Sidney Charles Erlanger.—New York.
George Andrew Foster, LL. B. Univ. of Pa. 1907.—Atty. at Law, Johnstown, Pa.
Ralph Ottomar Fuerbringer, M. D. 1908.—House Officer.
Alfred Logsdon Geiger.—Washington.
Josias Clerk Lee Hawkins.—Baltimore.
Harry H. Humrichhouse, LL. B. Georgetown.—Atty. at Law, Hagerstown, Md.
William Muse Hunley. — Philadelphia.
Andrew Dickson Jones, Jr.—Baltimore.
Walter William Kohn.—Baltimore.
Wilbur Leslie LeCron, M. D. 1908. —Interne, Hartford Hosp. Conn.
Roy Stiles Licking.—New York.
Henry Loane Lloyd. — Student of Law, Balt.
Henry Charles Ernest Louis, M. E. Cornell 1906.—Elec. Engr. Pittsburg.
William Howard Matthai. — Baltimore.
John McGlone, M. E. Cornell 1906. —Fire Insur. Inspector, Boston.
Henry Clay Miller.—Baltimore.
Harry Edward Muhly.—Baltimore.
Clarence Alfred Neal. — Dept. of Agric., Washington.
Reginald Stevenson Opie. — Baltimore.
Frank Gibson Porter, M. D. 1909.—Physician, Montclair, N. J.
Merrill Rosenfeld.—Atty. at Law, Baltimore.
Gerald Benjamin Rosenheim, LL. B. Columbia 1907.
Charles Henry Saylor (F), Ph. D. 1907.—Prof. Greek, Marshall Coll. Huntington, W. Va.
Samuel Hyman Schapiro.—Manila, P. I.
*John Bushrod Schwatka. **October* 17, 1908.
Frank Stollenwerck, Jr., LL. B. Harvard 1907. — Atty. at Law, Montgomery, Ala.
Lyttleton Morgan Tough, Jr.—Fort Wayne, Ind.
Leonard Griffith Wallis.—Civil Engr. Davenport, Iowa.
Newton Edward Washington Wayson. —Instr. Bacteriol. Northwestern Univ. Med. Sch. Chicago, Ill.
Luther Martin Reynolds Willis. — Atty. at Law, Balt. (37)

1905

Walter Albert Baetjer, M. D. 1909.
Byron Treat Banghart.—Balt.
James Alvin Bass, M. D. 1909.
Benjamin Abram Bernstein. — Instr. Math. Univ. of Cal. Berkeley.
William Graham Boyce.—Baltimore.
Riggin Buckler. — Architect, New York.
John Francis Cremen, A. M. 1909.—Baltimore.
Walter David Eiseman. — Atty. at Law, Balt.
Leman Edwin Goldman, LL. B. Univ. of Md. 1907.—Atty. at Law, Balt.
Rufus King Goodenow, Jr. — Balti more.
Robertson Griswold.—Atty. at Law, Baltimore.
*Hugh Asbury Hackett, Asst. Biol. Western Univ. of Pa. 1905-06. **November* 17, 1906.
William Harkinson Hudgins.—Atty. at Law, Balt.
Andrew Wilmer Hull.—Draftsman, Balt.
Rev. John Long Jackson, Va. Theol. Sem. 1908.—Clergyman, Towson, Md.
Richard Newton Jackson. — Baltimore.
Irving Henry Kohn.—Baltimore.
Thomas Poole Maynard, Ph. D. 1909.
Jonathan Earle Miffiin.
Edward Leyburn Moreland, M. S. Mass. Inst. Tech. 1908.—Boston, Mass.
Harmon Vail Morse, Ph. D. 1908.—Chemist, Maywood, N. J.
Thomas Owings.—Baltimore.

William Watters Pagon, S. B. Mass. Inst. Tech. 1907.—Baltimore.
Sifford Pearre.—Baltimore.
Nathan Pumphrey Pitcher. — Baltimore.
Carl Samuel Stern.— Atty. at Law, New York.
William Ringgold Straughn.—Instr. Normal Sch. Millersville, Pa.
Thomas Shenton Strobhar.—Phila.
John Morris Super.—Teacher, Balt.
Isaac Chandler Walker, M. D. 1909.
Gustave Herman Woltereck, M. D. 1909.
Lawrence Counselman Wroth. — Librarian, Md. Diocesan Libr. Balt.
Rev. Robert Bamford Zeigler.—Clergyman, Balt. (33)

1906

Carlyle Barton.—Student of Law, Univ. of Md.
David Simon Blondheim (F), Fellow, Romance Lang.
Allen Strafford Bowie.—Law Student, Univ. of Md.
Walter Stewart Brauns.—Baltimore.
Thomas Gorsuch Campbell. — Law Student, Univ. of Md.
Thomas Rodney Chambers. — Med. Student.
Henry Theodore Collenberg. — Med. Student.
James Curlander.—Baltimore.
William Edwin Curley, Jr.—Balt.
Horace Hatch Curtis.—Washington.
William Alexander Dickey, Jr.—Baltimore.
Lewis Alan Dill. — Law Student, Univ. of Md.
Baruch Mordecai Edlavitch. — Med. Student.
Stanley Strauss Eiseman.
Victor Max Frey, M. E. Mass. Inst. Tech. 1908.—Mech. Engr. Steubenville, O.
Thomas Rasin Godey.—Birmingham, Ala.
Alvin Greif.—Baltimore.
James Fullerton Gressitt.—Missionary, Tokyo, Japan.
George Mitchell Griffith.—Atty. at Law, Balt.
Edward Lyell Gunts.—Baltimore.
Frederick Home Hack, Jr.—Balt.
*Ormond Willson Hammond, Jr. **January* 6, 1907.
Rev. Conrad Hardecker.—Clergyman, Balt.
Joseph Steuart Hill.—Baltimore.
William Ralph Jones, Instr. Balt. City Coll. 1906-07; La. Indus. Inst. 1907-08.—Grad. Student.
John Aubel Kratz.—Baltimore.
Thomas Gresham Machen.—Student, Mass. Inst. Tech.
John Mabry Mathews (F), Ph. D. 1909.
Thomas Wilbur Meads. — Law Student, Univ. of Md.
Carl Killmann Mengel, LL. B. Univ. of Md. 1908.—Atty. at Law, Balt.
Charles Ferdinand Meyer. — Grad. Student.
Edmond Harris Morse.—Baltimore.
Fi.madge King Nichols.—Med. Student.
Lewis Bayard Robinson, Jr.—Grad. Student.
Thomas DeCoursey Ruth. — Univ. Scholar.
Maurice Roland Schmidt (F), Ph. D. 1909.
William Herdman Schwatka. — Law Student, Univ. of Md.
*E. Leland Shackelford. **July* 2, 1907.
Joseph Theophilus Singewald, Jr. (F), Ph. D. 1909.
William Leonard Sioussat.—Chicago.
Edward Hinman Sirich.—Prof. Mod. Lang. St. John's, Annapolis.
William Knepper Skilling. — Med. Student.
B. Holly Smith, Jr.—D. D. S. Balt. Coll. Dent. Surg. 1908.—Dentist, Balt.
William Conwell Smith, LL. B. Univ. of Md. 1908.—Atty. at Law Balt.
Rev. Henry William Snyder, B. D. Gettysburg Theol. Sem. 1909.—Clergyman, St. Thomas, Pa.
Johannes Karl Robert Konrad Uhlig. —Teacher, Balt.
Emanuel George Zies (F), Ph. D. 1909.
Paul Hudson Zinkhan. — Asst. Library of Congress. (48)

1907

William Edwin Bird, Jr.—Med. Student.
Arthur Leonard Bloomfield. — Med. Student.
Oscar Ellis Bransky.—Grad. Student.
John Alden Crane.—Lieut. U. S. Artillery, Manila.
Carl Martin Distler.—Law Student, Univ. of Md.
Ernest Pohl Doetsch.—Grad. Student.
Daniel Ellison.—Baltimore.
Milton Strauss Erlanger. — Baltimore.
Abiathar William Field.—Baltimore.
Albert Joseph Fleischmann. — Law Student, Columbia.
Henry Findlay French.—Law Student, Univ. of Md.
Hiram Fried.—Med. Student.
Rogers Harrison Galt, Jr. — Grad. Student.
Wallis Giffen.—Law Student, Univ. of Md.
William Rickert Glen.—Student of Theology, Dayton, O.
Clarence Pembroke Gould. — Grad. Student.
Albert Grauer.—Instr. High School, Princeton, N J.
*Weston O'Brien Harding, Instr. St. John's Coll. Shanghai 1907-08.—*January* 1, 1909.
Henry Patterson Harris.—Baltimore.

Ernest Singleton Hendry. — Med. Student.
Edward Tremaine Hills.—Princ. St. Paul's Sch. Beaufort, N. C.
John Frederick Hunter.—Grad. Student.
Warren Belknap Hunting. — Baltimore.
Henry Parr Hynson, Jr.—Law Student, Univ. of Md.
Iredell Waddell Iglehart.—Baltimore.
William Henry Jurney, Jr.—Student, Gen. Theol. Sem. N. Y.
Arthur Russell Knipp. — Student, Mass Inst. Tech.
Edmund Calvert Lynch.—Baltimore.
William Bose Marye.—Baltimore.
Thomas Addis Emmet Moseley.—Univ. Scholar.
Walter Emil Myers.—Instr. Mod. Lang., Balt. City Coll.
Arthur Rankin Padgett.—Baltimore.
Bernard Mark Parelhoff.—New York.
Le Grand Winfield Perce, Jr.—Law Student, Univ. of Md.
Charles Frederick Pietsch. — New York.
William Pleet.—Philadelphia.
George Pitts Raleigh.—Law Student, Univ. of Md.
William Andrew August Reinhardt. —Mont Alto, Pa.
Leonel Fosque Revell, LL. B. Univ. of Md. 1909.—Balt.
Herman Frederick Rolker.—Chemist, Savannah, Ga.
Karl Singewald.—Univ. Scholar.
Jordan Herbert Stabler.—Europe.
George Adolph Stewart.—Med. Student.
Wilmer Theodore Stone.
David Eli Strouse.—New York.
Joseph Todhunter Ware. — Student, Va. Theol. Sem. Alexandria.
Horace Winfield Webster. — Baltimore. (47)

1908

George Hinman Abel.—Student in Germany.
Alfred Gordon Armstrong.—Baltimore.
Walter Lipps Blanck.—Baltimore.
Benjamin Francis Parlett Brenton. —Asst. Chem. McMaster Univ. Toronto.
Frank Gottlob Breyer.—Grad. Student.
Eveleth Wilson Bridgman. — Med. Student.
Harry Lingan Caples. — Teacher, Balt.
Alan Mason Chesney.—Med. Student.
Jacob Cohen.—Med. Student.
Charles Wythe Cooke.—Grad. Student.
Edmund Dolewczynski.
Henry S. Frank.—Law Student, Univ. of Md.
John Slade German. — Clergyman, Hereford, Md.
William Stuart Gorton.—Univ. Scholar.
Joseph Elliott Green.—Princ. Public School, Church Hill, Md.
Frank Newcomer Hack.—Baltimore.
Morton Emanuel Hecht.—Baltimore.
Frank Glen Holmes.—Grad. Student.
Herman James Hughes.—Europe.
Caleb Guyer Kelly.—Grad. Student.
Henry Hoffman Loos.—Med. Student.
Donald MacKenzie.—Grad. Student.
Richard MacSherry.—Baltimore.
Arthur Herman Mann.—Law Student, Harvard.
Charles McCurdy Mathias. — Law Student, Univ. of Md.
Robert Henry McCauley.—Law Student, Univ. of Md.
John Beaver Mertie, Jr.—Grad. Student.
Daniel Miller.—Grad. Student.
Francis Morris Miller.—Baltimore.
Peter Peck.—Grad. Student.
Herbert Bryan Price.—Baltimore.
Ferdinand Oscar Wolfgang Reinhard.—Baltimore.
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Lawrence Melville Riddle. — Grad. Student.
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Reginald Oliver Sellman.—Med. Student.
Carroll Mason Sparrow.—Grad. Student.
David Corbin Streett.—Med. Student.
Channing Ellsworth Sweitzer.—Glen Rock, Pa.
Philip Louis Sykes.—Baltimore.
Richard Lloyd Tilghman.—Law Student, Univ. of Md.
Paul Wegefarth.—Med. Student.
Francis Thomas Williams. — Med Student.
Ralph Coplestone Williams.— Baltimore.
Joseph Purdon Wright, LL. B. Univ. of Md. 1905.—Grad. Student.
(47)
(1014)

PROFICIENT IN APPLIED ELECTRICITY

When the institution is not named, this university is to be understood. (F) indicates that the person has held a fellowship here. *—Died.

1889

Cary Talcott Hutchinson (F), Ph. B. Wash. Univ. 1886; Ph. D. 1889, Acting Assoc. Prof. Elec. 1898-99.—Consulting Engr. N. Y.
Joseph Lee Jayne, U. S. Naval Acad. 1882.—Lieut. U. S. Navy; Bureau of Elec. Navy Dept. Wash.
Henry Hazlehurst Weigand, A. B. 1885.—Elec. Engr. Balt.
*Gilbert Wilkes, U. S. Naval Acad. 1881; Lecturer, Univ. of Wis. 1892-94. (4)

1890

William Julian Albert Bliss, A. B. Harvard 1888; Ph. D. 1894; Instr. Woman's Coll. Balt. 1894-95.—Coll. Prof. Physics.
James Shaler Hodges, A. B. 1886.—Elec. Engr. Balt. (2)

1891

Charles Griffin Edwards, S. B. St. John's 1889.—Asst. Engr. Pa. R. R. Tunnel and Term. Co., N. Y. (1)

1892

*Ezra Carl Breithaupt. **January* 27, 1897.
William Hand Browne, Jr. A. B. 1890; Instr. Univ. of Neb. 1896-98; Asst. Prof. Univ. of Ill. 1898-1902.—Prof. Physics, etc. A. & M. Coll. West Raleigh, N. C.
*Henry Wakefield Frye, A. B. Colby 1889. **June* 20, 1895.
George Henry Hutton, Jr. — Baltimore.
Robert Ernest Hutton.—Instr. Elec. Wash. and Lee, Lexington, Va.
Norman Crawford McPherson, A. B. Pa. Coll. 1889.—Hagerstown, Md.
Hugh Pattison.—Pa. Steel Co. Harrisburg.
Charles William Waidner (F), A. B. 1896, Ph. D. 1898, Asst. 1898-99; Instr. Williams 1899-1901.—Physicist, Bureau of Standards, Wash.
Arthur Judson Warner, A. B. Marietta 1899. (9)

1893

Louis Minturn Aspinwall. — Elec Engr. Wilkinsburg, Pa.
Shellman Baer Brown, A. B. 1891.—Civil Engr. Annapolis, Md.
Sidney Hand Browne, A. B. 1891.—Elec. Engr. N. Y.
Eugene Russell Carichoff, A. M. Wash. and Lee 1885.
Howard Waters Doughty (F), Ph. D. 1904; Asst. Univ. of Mo. 1904-06; Instr. Univ. of Wis. 1906-07.—Instr. Chem. Amherst.
Harold Mills Dyar, Ph. B. Marietta 1888.—Moultrieville, S. C.
Irenus Kittredge Hamilton, S. B. Trinity (Conn.) 1891.—Elec. Engr. Marinette, Mo.
William Winder Handy, S. B. Haverford 1891.—Elec. Engr. Balt.
Charles Roy McKay.
William Robinson Molinard.
*Arthur Lacy Reese. **March* 12. 1894.
Arthur John Rowland.—Prof. Elec. Eng. Drexel Inst. Phila.
William Frederick Schulz, Univ. of Ill. (E. E. 1900, Instr. 1900-06), Ph. D. 1908.—Asst. Prof. Physics, Univ. of Ill. Urbana.
Robert Isaac Todd.—Gen. Manager, Cincinnati Traction Co.
John Boswell Whitehead, Jr. A. B. 1898, Ph. D. 1902.—Assoc. Prof. Elec. (15)

1894

William Pierce Anderson, A. B. Harvard 1892.
John Woodside Corning.—Elec. Engr. Boston.
Lewis Warrington Cottman.—Baltimore.
Harvey Cavendish Darrell. — Baltimore.
Peter Conover Hains, Jr. U. S Naval Acad. 1893.
Stephen Quentin Hayes, A. B. Georgetown (D. C.) 1892.—Westinghouse Co. Pittsburg.
Douglas Alexander Howard, U. S. Mil. Acad. 1878.—Captain (retired), U. S. A.
Andrew Ellicott Maccoun.—Electrician, Carnegie Steel Co. Pittsburg.
James Warren McCrosky, S. B. Univ. of Neb. 1891.—Electrician. Buenos Ayres.
Henry Hutchinson Norris, M. E. Cornell.—Prof. Elec. Eng. Cornell.
Charles Edward Phelps, Jr.—Chief Engr. Elec. Commission, Balt.
Alfred Magill Randolph, Jr. A. B. 1891.—Elec. Engr. Manchester, Eng.
Samuel Reber, U. S. Mil. Acad. 1886.—Colonel and Instr. Signal Service, U. S. A.
Franklin Roberts.—Elec. Engr. Balt.
Theodore Straus.—Baltimore.
John Saunders Taylor. — Atty. at Law, Norfolk, Va.
Frank McStocker Thomas.—Electrician, Philadelphia.
Wallace Durant White.—Baltimore.
James Watts Young. — Engineer, N. Y. (19)

1895

Harry Bissing, A. B. 1895.—Elec. Engr. N. Y.
Byron Briggs Brackett, A. B. Syracuse 1890; Ph. D. 1897; Instr. Union 1897-98; Wash. High School 1898-1900, Rutgers 1900-03.—Prof. Phys. and Elec. Clarkson School of Tech. Potsdam, N. Y.
Benjamin Harrison Branch.—Ellicott City, Md.
Edson Fessenden Gallaudet, Yale (A. B. 1893, Instr. 1896-1900); Ph. D. 1896.—Engr. Dayton, O.
George Henry Hill, A. B. Williamsport Dickinson Sem. 1891. — Gen. Elec. Co. Schenectady, N. Y.
Alexander McIver, Jr. A. B. Univ. of N. C. 1890.
Joseph Mullen, Jr. — Elec. Engr. Petersburg, Va.
Charles Reutlinger. — Elec. Engr. Balt.
John Jacob Rothermel, A. B. Franklin and Marshall 1893. — Instr. Phys. Wash. High School.
Frank Semple Wilcox, S. C. Mil. Acad. 1893. (10)

1896

Matthew Maury Corbin.—Gen. Elec. Co. Schenectady, N. Y.
Isidor Deutsch.
Hugh Miller Frazer, S. B. Ky. State 1889.—Elec. Engr. Lexington, Ky.
James Holdsworth Gordon, Jr. — N. Y. Telephone Co.
Horace Marshall Harriman, Jr.—Chicago.
Malcolm Westcott Hill.—Elec. Contractor, Balt.
George Harwood Hodges. — N. Y. Telephone Co.
Jasper Alan McCaskell, S. B. Loyola 1895; E. M. Columbia 1900.
George Stevens Maynard, A. B. 1894. —Gen. Elec. Co. Schenectady.
Henry Todd Powell.—U. S. Revenue Cutter Service.
Charles Leonard Reeder. — Consulting Engr. Balt.
Martin Schwab. — Elec. Engr. Chicago.
James Mowton Saunders Waring.—Elec. Engr. Chicago. (13)

1897

Wyatt Hamilton Allen, Ph. B. Yale 1896.—Elec. Engr. N. Y.
*Joseph Hockman Bowman, A. B. Franklin and Marshall 1893. **January* 20, 1904.
Walter Herman Eisenbrandt.—Elec. Engr. Balt.
David Sterrett Pindell, A. B. 1895.—Elec. Engr. Sault Ste. Marie, Mich. (4)

1898

George Edward Bartell.—Baltimore.
William Burke Brady, M. E. Lehigh 1897.
*Edmund Frank, S. B. Rose Polytech. 1897. **July*, 1901.
William Schrofield Gorsuch, Jr. — Elec. Engr. Balt.
Richard Cameron Haldeman, A. B. Yale 1896. — Westinghouse Co. Pittsburg.
William Lemmon Hodges. — Elec. Engr. Phila.
Ferdinand Brauns Keidel.—Catonsville, Md.
Bertram Motter Kershner. — Elec. Engr. Emmittsburg, Md.
Charles J. Spencer. — Elec. Engr. Balt. (9)

1899

James Robert Charlton Armstrong. A. B. 1899.—Elec. Engr. N. Y.
Robert Buchanan Beale, S. B. Md. Agric. 1896.—Gen. Elec. Co. Schenectady, N. Y.
Reinier Koller Beeuwkes. — Elec. Engr. N. Y.
William Trout Everett.
James William Swaine.—Elec. Engr. Balt. (5)

(91)

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Professor J. H. Hollander, editor. First Series, 1903, $3; Second Series, $2; Third Series in progress, $2.

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VII. The wages of all persons employed by the university will be paid at the Treasurer's Office.

VIII. When C. O. D. packages are expected, previous arrangements should be made for their reception.

IX. Outlays made for individuals (express parcels, postage, telegraph messages, etc.) should be settled at once.

X. An annual allowance is made by the Trustees, in the budget, for such expenses as they approve, and in deciding on the items they are governed by a consideration of the general interests of the university, as well as by the needs of special branches of instruction. Balances to the debit or credit of any account are carried forward to the new account at the opening of each financial year (September 1). A statement of the amount of the balance and of any additional appropriation will be communicated to the parties severally interested, if requested, after the Trustees' meeting in October.

SCIENTIFIC SOCIETIES

1. The Scientific Association, meeting monthly, under the presidency of Professor Ames.

2. The Philological Association, meeting monthly, under the presidency of Professor Gildersleeve.

3. The Historical and Political Science Association, meeting fortnightly.

4. Naturalists' Field Club, which makes weekly excursions during the spring and autumn and holds monthly meetings for the presentation and discussion of papers.

There are also companies which meet weekly in the laboratories for the reading of the scientific journals, and seminaries in several departments of study.

STATEMENTS IN RESPECT TO THE COURSES OF INSTRUCTION

The Johns Hopkins University has had in view, from the beginning, two main objects,—the advancement of learning through investigations conducted by its teachers and its properly qualified students, and the communication of learning through carefully planned courses of instruction. The facilities which it provides and its methods of administration are intended both for the encouragement of research, in the case of those competent to undertake it, and for the discipline and guidance of those whose chief concern is the acquisition of knowledge.

The work of the University is carried forward

I. Under the Faculty of Philosophy.
II. Under the Faculty of Medicine.

The students enrolled under the Faculty of Philosophy are:

(1) Those who have obtained a baccalaureate degree from a college of good standing, and desire to follow advanced courses in scientific, literary, or historical subjects; and also persons who wish to take advantage of the opportunities for individual investigations here afforded. Women are admitted, with the consent of the professors under whom they wish to work, on the same terms as men.

(2) Undergraduate students, who are, in most cases, looking forward to the degree of Bachelor of Arts, but some of whom are engaged in special studies without reference to graduation.

The requirements for admission to the undergraduate courses, the arrangement of these courses in the several "Groups," etc., are stated on pages 233-254. More detailed information is given in "The Collegiate Instruction of the Johns Hopkins University," which may be obtained on application, personally or by letter, to the Registrar of the University.

The students enrolled under the Faculty of Medicine are:

(1) Candidates for the degree of Doctor of Medicine. These must be college graduates, or must give evidence by examination that they possess the attainments indicated by a baccalaureate degree in arts or sciences. Women are admitted on the same terms as men.

(2) Doctors of Medicine desiring to pursue certain special courses, which are annually announced.

The terms of admission to the medical department and the general plan of instruction are briefly stated on pages 256-260. Detailed information is given in the "Catalogue and Announcement," which will be sent upon application to the Registrar of the department.

I. FACULTY OF PHILOSOPHY

Advanced students are received whether they are candidates for a degree or not, and they are permitted to attend such lectures and exercises as they may select. On entering the university they are expected to present their diplomas and certificates from the institutions with which they have been connected, and also letters of introduction. They are not examined by the university for admission, but each instructor satisfies himself of the attainments of those who wish to follow his guidance, before admitting them to his classes.

The professors are ready to give personal counsel to those who seek it; books and instruments adapted to investigation and advanced work have been liberally provided; seminaries limited to a few advanced students have been organized in various subjects; societies devoted to philology, to mathematical, physical, and natural science, and to history and political science, afford opportunities for the presentation of memoirs and original communications, and there are also conferences for the

reading and discussion of philological, philosophical, biological, physical, geological, and chemical papers; during the year courses of lectures are given by resident and non-resident professors on topics to which they have given special attention; the libraries of the Peabody Institute and Maryland Historical Society, founded for the benefit of scholars, are easily accessible; the issuing, under the auspices of the Trustees, of publications devoted to mathematics, chemistry, philology, biology, the modern languages, and history, brings the university into advantageous connection with other foundations; and the university reading room, which is constantly open, is liberally supplied with new and standard books and with the literary and scientific journals of this and other lands.

Instruction is carried on in the different departments by methods which vary with the nature of the subject and the character and proficiency of the scholars; but in all alike the end is the same,—that, while the students are becoming familiar with the work prosecuted and the results attained elsewhere, and are adding to their general intellectual culture, they may be encouraged to become independent and original investigators in their chosen fields of labor. Within reasonable limits the university will provide such books, apparatus, and material as may be requisite for this purpose.

The principal subjects in which advanced instruction is now provided are these:

Mathematics.
Physics and Astronomy.
Chemistry.
Geology and Mineralogy.
Zoology.
Botany.
Physiology.
Pathology.
Greek.
Latin.
Classical Archæology and Art.
Sanskrit and Comparative Philology.
Semitic Languages.
Anglo-Saxon and English.
Romance Languages.
German.
Germanic Philology.
History.
Political Economy.
Political Science.
Philosophy, Psychology, and Education.

MATHEMATICS

The advanced courses are so arranged that a qualified student gets in three years the more important points of view of the whole subject. The courses are elastic in character, subjects being introduced as they are needed. In general, the plan pursued is to foster independent inquiry on the part of the student. Once embarked on investigation, he uses all the apparatus of lectures and library with intelligent purpose. The seminary, which meets weekly, is primarily intended for the presentation of the results of the student's own thinking. Literature either intrinsically important or opportune is presented and discussed in the reading class, which also meets weekly.

ADVANCED COURSES*

1. Mathematical Seminary.

One hour weekly. Professor MORLEY.

2. Reading Class.

One hour weekly. Professor MORLEY.

3. Higher Geometry.

Two hours weekly, through the year. Professor MORLEY.

This is a general course in Geometry, covering in three years such matters as Projective Geometry, the Invariants of algebraic forms, Line Geometry, Conformal Geometry, Geometry on an algebraic curve or surface.

4. Theory of Functions.

Two hours weekly, second half-year. Professor MORLEY.

Algebraic Functions and their integrals; Elliptic, elliptic modular, and general automorphic functions; Theory of the potential.

5*. Dynamics.

Two hours weekly, first half-year (every other year). Professor MORLEY.

Special stress is laid on Rigid Dynamics.

*Courses thus marked will *not* be given in 1909-10.

6. Vector Analysis.

Two hours weekly, first half-year (every other year). Professor MORLEY.

7. Elementary Theory of Functions.

Two hours weekly, through the year. Dr. COHEN.

An introduction to the theories of functions of a real and a complex variable.

8. Differential Equations.

Two hours weekly, through the year. Dr. COHEN.

Including, in three years, Ordinary Differential Equations, their integral curves and singular points; Partial Differential Equations; Lie's theory.

9*. Differential Geometry.

Two hours weekly, through the year. Dr. COHEN.

Including a study of Curves in space; Sufaces and lines upon them; Spherical representation; Applicability of surfaces.

10*. Calculus of Variations.

Two hours weekly, one half-year. Dr. COHEN.

11. Theory of Numbers.

Two hours weekly, one half-year. Dr. COHEN.

12. Theory of Groups.

Two hours weekly. Dr. COBLE.

Including Theory of Equations, Finite Geometries, Theory of algebraic forms.

13*. Theory of Correspondence.

Two hours weekly. Dr. COBLE.

Including such matters as Cremona Transformations, general birational transformations.

14. Theory of Probability.

Two hours weekly, one half-year. Dr. COBLE.

Including the applications to statistics and the Theory of Errors.

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*Course thus marked will *not* be given in 1909-10.

UNDERGRADUATE COURSES

1. Solid Geometry; Algebra (special topics).

Three hours weekly, first half-year. Professor HULBURT and Dr. COBLE.

Plane Analytic Geometry.

Three hours weekly, second half-year. Professor HULBURT and Dr. COBLE.

Exercises.

Two hours weekly, through the year.

2. Differential and Integral Calculus.

Three hours weekly, through the year. Professor HULBURT.

Exercises.

Two hours weekly, through the year.

3. Differential and Integral Calculus (special topics); Determinants; Solid Analytic Geometry; Projective Geometry.

Three hours weekly, through the year. Professor HULBURT.

Exercises.

Two hours weekly, through the year.

4. Differential Equations.

Three hours weekly, first half-year. Dr. COHEN.

Descriptive Geometry.

Three hours weekly, second half-year. Dr. COHEN.

Exercises.

Two hours weekly, through the year.

In connection with the three hours' class-room instruction, the instructor in each course meets his students weekly in a two-hour session, for the purpose of supplementary explanation and application of the principles taught in the class-room. This is the part of each course designated as "Exercises." It is not intended that these shall increase the amount of work required of the student, but rather that they shall aid him in the understanding and preparation of the work of the class.

Physics and Astronomy

The Physical Laboratory offers facilities in the form of apparatus, libraries, and machine shops to students who wish to pursue experimental investigations in any field of Physics. If the results of these are to be offered as a dissertation for the degree of Doctor of Philosophy, the work must be done under the general direction of the Director of the Laboratory, or of one of the other professors. For students carrying on experimental researches the laboratory is open daily, except Saturdays, from 9 a. m. until 5 p. m., and on Saturdays from 9 a. m. until 1 p. m.

Regular courses of instruction in both Physics and Astronomy are given in the form of lectures and laboratory exercises. They may be classified as Advanced and Elementary. The former are designed primarily for graduate students; the latter, for undergraduates.

Advanced Courses

Seminary and Journal Meetings

All advanced students meet with the instructors twice each week,—once in the Physical Seminary, and once for the discussion of the current Physical Journals.

During the year 1909-10 the questions to be considered in the Seminary will refer to the history of the development of the present knowledge of Heat and Radiation.

Lectures

1. General Physics. Professor Ames.

Four hours weekly, through the year.

This is a course of lectures in Mathematical Physics continuing for three years and including the subjects of Theoretical Mechanics, Elasticity, Hydrodynamics, Sound, Thermodynamics, Heat Conduction, Electricity and Mag-

netism, and Light. During the year 1909-10 the lectures will be on Thermodynamics, Heat Conduction and Radiation.

2. Selected Problems in Advanced Physical Optics. Professor WOOD.

Three hours weekly, through the year.

3. Experimental Lectures on Conduction of Electricity in Gases. Professor WOOD.

One hour weekly, through the year.

4. Applied Electricity. Associate Professor WHITEHEAD.

Two hours weekly, through the year.

5. Applied Electricity (*Advanced Course*). Associate Professor WHITEHEAD.

Two hours weekly, through the year.

6. Celestial Mechanics. Dr. J. A. ANDERSON.

Two hours weekly, through the year.

7. Cosmical Physics. Dr. J. A. ANDERSON.

Two hours weekly, through the year.

8. General Astronomy. Mr. L. E. JEWELL.

Two hours weekly, through the year.

9. (*a*) Radiation. Dr. A. H. PFUND.

One hour weekly, first half-year.

(*b*) Magneto-Optics. Dr. A. H. PFUND.

One hour weekly, second half-year.

10. Mechanics of the Earth's Atmosphere. Dr. CLEVELAND ABBE.

One hour weekly, through the year.

Laboratory Courses

1. Special Exercises in Physics in preparation for independent research; under the direction of Professors AMES, WOOD, BLISS, and WHITEHEAD.

2. Applied Electricity. Associate Professor WHITEHEAD.

3. Use of Astronomical and Astrophysical Instruments. Dr. J. A. ANDERSON and Mr. L. E. JEWELL.

For students following these courses the laboratory is open daily except Saturdays, from 9 a. m. to 5 p. m.; the observatory is open every favorable night.

ELEMENTARY COURSES

1. Elements of Physics.

Three hours weekly, through the year. Professor AMES.

This course of lectures is based upon Ames's "Text-book of General Physics," and is intended to include the field of Physics in an elementary manner. It presupposes a knowledge of the elements of plane trigonometry. Course 4 of laboratory work (see below) is arranged to accompany these lectures.

2 *and* 3. The four following series of lectures are given each year and are combined, together with the corresponding laboratory work (see Physics 5 below), into two courses known as Physics 2 and Physics 3. The mode of combination varies from year to year according to the needs of the students applying.

a. Elementary Theoretical Mechanics.

Three hours weekly, twelve to fifteen weeks. Professor BLISS.

This course is designed to serve as an introduction to Mathematical Physics, and students following it must have a knowledge of the elements of the Calculus.

b. Elementary Electricity and Magnetism.

Three hours weekly, fifteen to twenty weeks. Professor BLISS.

This is an introduction to the mathematical theory of the electrostatic and magnetic fields and electric currents. Course "*a*" or an equivalent preparation is assumed.

c. Elementary Thermodynamics.

Three hours weekly, twelve to fifteen weeks. Professor BLISS.

The object of this course is to familiarize the student with the fundamental ideas of Thermodynamics, such as Temperature, Entropy, and Reversibility. By way of illustration applications are made to very elementary problems in heat engines, solutions, and electro-chemistry, so far as time will permit. Course "*a*" or an equivalent preparation is assumed.

d. Physical Optics.

Three hours weekly, fifteen weeks. Dr. PFUND.

This course is a more advanced treatment of the subject of optics, special emphasis being laid on the subjects of interference,

diffraction, polarization, and applications to modern instruments of high efficiency.

4. Laboratory Work for Beginners.

Two afternoons weekly, through the year. Professor BLISS and assistants.

In this elementary work the students are taught methods of exact observation and measurement, and, so far as possible, they study the fundamental phenomena of Physics in a quantitative manner. The exercises given in Ames and Bliss's "Manual of Experiments in Physics" serve as a basis for this work.

5. Laboratory Work, in connection with Physics 2 and 3.

To complete each of these courses the student is required to pursue two of the four following groups, making together two afternoons a week for the year.

a. Mechanics.

Two afternoons weekly, twelve weeks. Professor BLISS.

In this course the students are taught methods of exact measurement of time, length, and mass, as well as the determination of the various mechanical and elastic constants.

b. Electricity and Magnetism.

Two afternoons weekly, twenty weeks. Professor BLISS.

Special attention is given to instruction in modern methods of measurement of various electrical quantities and in the use of improved apparatus. Those qualified and desiring such instruction may substitute work with dynamos, motors, and transformers for part of the course.

c. Heat.

Two afternoons weekly, one half-year. Professor BLISS.

This includes methods of measuring temperature, including the use of thermocouples, resistance thermometers and pyrometers, together with other exercises illustrating lecture course "*c*" above.

d. Optics.

Two afternoons weekly, one half-year. Dr. PFUND.

The students are given a thorough working knowledge of experiments dealing with fundamental principles, as well as of experiments involving the use of modern types of optical instruments, such as the plane and concave grating, Michelson and Fabry and Perot Interferometers, Polarimeters, etc.

6. The Elements of Astronomy.

Two hours weekly, through the year. Mr. L. E. JEWELL.

In this course of lectures attention is directed to those branches of astronomy which should be known by all students of physics, and the theory of various instruments is explained.

7. Observatory Work in Astronomy.

Through the year. Mr. L. E. JEWELL.

The observatory contains an equatorial, transit, meridian circle, and various other instruments, instruction in the use of which is given.

CHEMISTRY

The Chemical Laboratory is equipped with apparatus for nearly all kinds of scientific chemical investigations, and it is the policy of the department to provide every needed facility for promising investigations of a special or unusual character.

The laboratory is open daily, except Saturdays, from 9 a. m. until 5 p. m., and on Saturdays from 9 a. m. until 1 p. m.

ADVANCED COURSES

I. *Journal Meetings*

These meetings are held at 9 a. m. on Saturdays. throughout the year, and are under the direction of Professor REMSEN. Toward the end of the year, those who have been engaged in research give an account of the progress of their investigations.

II. *Lectures*

(*a*) ORGANIC CHEMISTRY

The lectures in Organic Chemistry are given by Professor REMSEN, except those upon certain chapters of the subject, which are given by Associate Professor ACREE. The course consists of three lectures weekly and extends over two years.

(*b*) INORGANIC CHEMISTRY

The course on this subject is given by Professor MORSE. It consists of two lectures weekly and extends over three years.

(*c*) PHYSICAL CHEMISTRY

Three lectures weekly are given throughout the year by Professor JONES.

(*d*) SPECIAL TOPICS IN CHEMISTRY

Short courses of lectures upon special topics are given each year by Professor JONES and Associate Professor ACREE.

III. *Laboratory Courses*

(*a*) QUALITATIVE ANALYSIS

This course is under the direction of Professor RENOUF, and is designed to meet the needs of those graduate students whose knowledge of the subject is defective.

(*b*) QUANTITATIVE CHEMISTRY

Under the direction of Professor MORSE.

(*c*) PHYSICAL-CHEMICAL METHODS

The routine work in this branch usually occupies from four to six weeks and is under the direction of Professor JONES.

(*d*) ORGANIC PREPARATIONS

Under the direction of Associate Professor ACREE. The required work occupies from eight to twelve weeks.

The student who is a candidate for the degree of Doctor of Philosophy, must give evidence that he has a satisfactory knowledge of elementary chemistry and is familiar with laboratory methods, before he is permitted to undertake the advanced courses. These consist of lectures, and laboratory exercises in (*b*) quantitative chemistry, (*c*) physical-chemical methods, and (*d*) organic preparations. The order in which these are taken is not fixed, but is arranged with reference to the convenience of the student.

Having completed the routine work of the laboratory, the student is assigned by the director of the laboratory to one of the staff who proposes to him a subject for investigation, which may be made the basis of the Doctor's dissertation,* and who thenceforth directs his work in the laboratory. It sometimes happens that the student has sound reasons for preferring some particular line of research, and this course is allowed if the circumstances permit.

For those who do not look forward to the degree, the rules are less rigid. Any person admitted to the University as a special student is permitted to take any of the laboratory or lecture courses for which he is qualified by previous training. The department also provides laboratory facilities for experienced chemists who wish to come to it for the purpose of carrying out researches of their own.

UNDERGRADUATE COURSES

1. Introduction to General Chemistry.

(*a*) *Lectures and recitations three hours weekly, through the year.* Professor RENOUF.

(*b*) *Laboratory work, six hours weekly, through the year.* Professor RENOUF, Dr. GILPIN, and assistants.

No previous knowledge of chemistry is required. The class-room work is based on Remsen's Chemistry (Briefer Course), and covers the field of inorganic chemistry, as far as possible. The last twelve class-room exercises give a brief sketch of organic chemistry, particularly for the benefit of those students whose study of chemistry is confined to the minor course. In the laboratory the student repeats the experiments performed in the class-room, and, in addition, has some practice in simple quantitative analysis and in making inorganic preparations. Each student is required to keep a note-book of his work.

2. Advanced Inorganic Chemistry and Qualitative Analysis.

(*a*) *Lectures and recitations, three hours weekly through the year.* Dr. GILPIN.

*The length of time required for the completion of the dissertation work cannot be definitely stated, but, as a rule, from one year to one and one-half years should be allowed for it in the plans of the candidate.

(*b*) *Laboratory work, six hours weekly, through the year.* Professor RENOUF, Dr. GILPIN, and assistants.

The class-room work in the second year is intended to give a more thorough knowledge of chemical and physical-chemical laws, of the properties of chemical compounds, and of the principles of qualitative analysis. The laboratory work is in qualitative analysis and inorganic preparations.

3. Chemistry of the Compounds of Carbon.

(*a*) *Lectures and recitations, three hours weekly, through the year.* Dr. GILPIN.

(*b*) *Laboratory work, six hours weekly, through the year.* Professor RENOUF, Dr. GILPIN, and assistants.

The class-room work of the third year is devoted to the study of Organic Chemistry. The laboratory work is the making of organic preparations, but also includes practice in the analytic detection of organic substances and in analytical methods of value to those intending to study medicine. The text-book used is Remsen's Organic Chemistry.

This course is open only to those who have completed Courses 1 and 2.

4. Laboratory Work only.

Laboratory work, six hours weekly, through the year. Professor RENOUF, Dr. GILPIN, and assistants.

The laboratory work comprises advanced qualitative analysis, including technical methods, difficult inorganic preparations, and assaying. Those contemplating graduate work in chemistry will devote half of the year to the study of Volhard and Zimmermann's "Experiments in General Chemistry"; others may substitute quantitative analysis.

Students of the fifth group whose principal subject is chemistry, are required to follow the courses in chemistry during the first, second, and third years. Those who look forward to the study of medicine, are advised to follow the courses in chemistry in the first and second years, and to take the course in the chemistry of compounds of carbon in their last year of residence.

The fourth-year course is intended for those students only who have satisfactorily absolved the courses of the three preceding years. It will be a help to those who intend to follow graduate work in chemistry, and also to those who desire to make a practical use of their knowledge of chemistry after receiving the bachelor's degree.

Geology

The Geological Laboratory offers facilities in the form of collections, instruments, and libraries to students wishing to pursue special researches in geology and its allied subjects—paleontology, petrography, mineralogy, etc. Such researches may be carried on independently, or with the co-operation of the members of the geological staff; but, if the student intends to become a candidate for a degree, the work must be conducted under the general direction of the head of the department or of his associates.

The laboratory, collections, and libraries are open to the advanced students daily, from 9 a. m. until 5 p. m.

Regular courses of instruction in geology are given in the form of lectures, laboratory exercises, and field work. The advanced courses are adapted to the requirements of students of maturity, the general courses to students desiring an elementary or cultural training in the subject. The former are designed primarily for graduate students in geology; the latter for undergraduates or for students from other departments wishing a more general knowledge of the subject.

ADVANCED COURSES

Seminary and Journal Meetings

The advanced students meet with the instructors once each week for the discussion of current publications dealing with geology. During the latter half of the year papers are presented giving the results of researches conducted in the laboratory, or summarizing the present state of knowledge regarding geological questions of general interest.

Lectures

1. Historical Geology. Professor Clark.
Two hours weekly, through the year.

2. Systematic Paleontology. Professor CLARK.

Two hours weekly, through the year.

3. Economic Geology. Professor CLARK.

Two hours weekly, through the year.

4. Geological Physics. Professor REID.

Two hours weekly, through the year.

5. Exploratory Surveying. Professor REID.

Two hours weekly, through the year.

6. Advanced Mineralogy. Professor MATHEWS.

Three hours weekly, through the year.

7. Petrography. Professor MATHEWS.

Three hours weekly, through the year.

8. Paleobotany. Mr. E. W. BERRY.

Two hours weekly, first half-year.

Laboratory Courses

Laboratory studies in advanced courses are carried on daily from 9 a. m. until 5 p. m. under the general direction of the professors in charge, who are accessible at all times. An afternoon is devoted especially to each course, when the subject matter is more fully developed by quizzes, demonstrations, etc.

1. Paleontology. Professor CLARK and Mr. BERRY.

Weekly, through the year.

2. Petrography. Professor MATHEWS.

Weekly, through the year.

3. Advanced Mineralogy. Professor MATHEWS.

Weekly, through the year.

4. Geological Field Methods. Professor MATHEWS.

Weekly, during the fall and spring.

UNDERGRADUATE COURSES

1. Elements of Geology.

Three hours weekly, through the year, with laboratory work. Associate Professor SWARTZ.

This course is introductory to the more advanced work in geology. It includes a discussion of the origin of the features of the surface of the earth, the phenomena of earthquakes, volcanoes, and mountain-making, followed by an outline of the past

history of the earth. The laboratory work comprises the study of illustrative material, together with frequent excursions to neighboring points of interest, where the principles of the science are studied in the field. A longer excursion is made in the spring to points of especial interest for geological study. This course is illustrated by maps, charts, lantern views, and the abundant collections of the university.

2. Mineralogy and Elementary Petrography.

Three hours weekly, through the year, with laboratory work. Associate Professor SWARTZ.

This course includes the study of crystallography, a discussion of the more important minerals, and a brief consideration of the origin and characteristics of the chief types of rocks. Numerous excursions are made to points of interest in the vicinity of Baltimore, which is unusually rich in the variety of its rocks and minerals. Emphasis is laid upon laboratory work, which includes the study of crystal models, the identification of minerals by means of the blowpipe and by inspection, and the examination of rocks in the laboratory and in the field. A knowledge of chemistry is required for the pursuit of this course.

3. Applied Geology.

Three hours a week, through the year, with laboratory work. Professor MATHEWS.

This course is devoted to a discussion of the non-metallic minerals and rocks which are worked commercially. The knowledge of geology and mineralogy gained in the preceding courses is applied to the recognition of useful minerals, their mode of occurrence, properties, values, and uses. The main sources of coal, oil, clay, building-stones, abrasives, gems, etc., the way they are won, and their economic importance, are treated with more or less detail. The aim of the course is to supply such information regarding mineral resources as an educated man should possess. The treatment of the technical questions of metallurgy or mining must be sought in technical schools.

State Scientific Bureaus connected with the Department.—Two scientific bureaus, established by the legislature and maintained at the expense of the State, are carried on in connection with the geological department. They are the Maryland Geological and Economic Survey and the Maryland State Weather Service. Professor Clark is the director of both these organizations, which are concerned with a study of the geology and physical features of the State of Maryland. The work is carried on under his direction mainly by the instructors and students

of the department. A State Forestry Bureau, of which Professor Clark is Executive Officer, is also located in one of the buildings of the geological department.

Advantages afforded by Proximity to Washington.—Washington is less than an hour distant from Baltimore. This renders it possible to take frequent advantage of the facilities afforded by that city, where the officers of the various scientific bureaus and societies give the students of the university every opportunity to examine the rich collections and libraries under their control.

Field Work.—The area of the State of Maryland includes, notwithstanding its comparatively small size, a remarkable sequence of geological formations. The ancient rocks of the earth's crust, as well as those still in the process of deposition, are found, while between these wide limits there is hardly a geological epoch which is not represented. As a result most excellent facilities are afforded for a study of the various geological horizons. Excursions to points of interest are made during the autumn and spring months.

Zoology and Botany

The Biological Laboratory furnishes adequate rooms, with the usual apparatus, for carrying on research in animal and plant morphology, embryology, and experimental zoology. For special investigations unusual apparatus will be obtained. It is expected that the ample grounds at "Homewood" will furnish facilities for experiments in breeding.

It is planned that, before receiving the degree of Doctor of Philosophy, each student shall have the opportunity to study marine and terrestrial life in some tropical region. For the spring and summer of 1910 a laboratory will probably be established in Jamaica, West Indies.

A collection of living plants in the botanical garden and conservatory, a physiological laboratory in the latter, and propagating grounds nearby are available for experimental work. A collection of carefully "fixed" and preserved alcoholic material of several hundred species of plants is available for histological and developmental study. The herbaria of the laboratory include the Schimper collection of European seed plants, the Field Club collection of local plants, the Fitzgerald collection of mosses, and smaller collections of fungi, marine algae, and Jamaican plants.

The library in the laboratory is supplemented by the main library of the university and other libraries in the city, including the excellent botanical library of John Donnell Smith, whose courtesy has always made his library and herbarium available for advanced students.

Prompt publication of abstracts of results is provided for in the University Circular. From time to time the results of extensive investigations in zoology are published by the University Press in a series of illustrated quarto monographs. The Adam T. Bruce Fellowship is awarded to men capable of carrying on research in biology. One of the graduate students in zoology may be appointed each year to occupy the University table at the marine laboratory of the U. S. Fisheries Bureau, at Woods Holl, Mass.

The laboratories are open from 9 a. m. to 5 p. m., and for necessary research in the evenings, but only by special permission.

ADVANCED COURSES

I. *Zoology*

Laboratory work in general zoology, morphology, and embryology is directed by Professor ANDREWS. The work in experimental zoology is directed by Professor JENNINGS. The student will receive such assistance and train-

ing as his individual needs seem to require. Work done in the laboratory is supplemented by work in the field and at the seashore.

Journal Club.—All the graduate students take part with the instructors in a weekly discussion of the current literature.

Seminary.—Professors ANDREWS and JENNINGS will meet the advanced students for discussion of some of the fundamental problems of zoology weekly from the beginning of the session until the Easter vacation.

Experimental Zoology.—Professor JENNINGS. *Three lectures a week, from the beginning of the session until February* 1.

During the year 1909-10 the course will deal with the experimental work on the problems of racial development—the processes of reproduction, variation, heredity, and evolution.

Conference on Experimental Investigations.—Professor JENNINGS. Those engaged in experimental investigations will form a club for the purpose of discussing subjects and methods of investigation, and for reporting on their own work and that of others on related subjects. *Weekly during the first half-year, or possibly throughout the year.*

A series of lectures will be given by investigators from other institutions. At present the following can be announced. Professor Davenport, of the Carnegie Institution, three lectures in February on "Heredity in Its Application to Animal and Plant Breeding and to Man;" Professor Morgan, of Columbia University, "The Modern Study of Heredity in Relation to the Soma Cells;" Professor Conklin, of Princeton University, "Some Problems in Experimental Embryology;" Professor Harrison, of Yale University, "The Development of the Nervous System;" Professor Kellicott, of the Woman's College, of Baltimore, "Growth and Correlation."

II. *Botany*

1. Journal Club and Seminary.

a. The Journal Club meets weekly through the year, in conjunction with the Zoological Journal Club.

b. The Botanical Seminary meets twice weekly, from December 1 to May 1. The seminary work of the year 1908-09 was devoted to a survey of recent work on the phylogeny of the Archegoniatae, based on Bower's "Origin of a Land Flora."

2. Lectures and Laboratory Work. Professor JOHNSON.

I. The Reproduction and Phylogeny of Plants.

a. *Three lectures weekly through the year.*

b. *Laboratory work associated with the lectures, twice weekly through the year.*

c. *Definite problems in field work assigned for study in the autumn and spring.*

II. The Histology and Physiology of Plants.

a. *Two lectures weekly from January* 1 *to June* 1.

b. *Laboratory work twice weekly from January* 1 *to June* 1.

III. The History of Botany.

Two lectures weekly from October 1 *to December* 20.

The following themes will be discussed in successive years: The Theory of Sex in Plants, The Cell Theory, Growth, Movement, and Nutrition in Plants.

UNDERGRADUATE COURSES

The collegiate courses in zoology and botany are known as Biology 1, Biology 2, Biology 3, and the Natural History Course.

Biology 1.

Six hours of laboratory work and three lectures or other exercises weekly, through the year. Professor ANDREWS and assistants.

This introductory course is open to all students and may be taken without previous training in chemistry or physics. It may be taken profitably by students interested in political economy, history, psychology, or ethics; it will be found useful to those looking forward to the ministry; and it is required of all who are to enter the medical school.

a. General Biology. *Till March* 15.

In the laboratory each student studies with the microscope, or dissects, selected animals and plants from the more simple such as amoeba and yeast to the more complex such as the fern and frog. In the lectures some of the fundamental facts of Biology are emphasized.

b. Embryology. *After March* 15.

Each student studies the cleavage of the living frog's egg and the formation and transformation of the tadpole. Subsequently he studies the hen's egg and the formation of organs in the embryo chick, learning to make his own serial sections, etc.

Biology 2.

Six hours of laboratory work and three lectures or other exercises weekly, through the year. Dr. COWLES.

This course continues the training of Biology 1 in limited fields, and is recommended to those who expect to study medicine, or to specialize in any department of Biology.

a. Comparative Anatomy of Vertebrates. *Till March* 15.

The student dissects the skate, shark, codfish, nectrus, turtle, alligator, pigeon, and dog. The lectures emphasize the principles of animal morphology.

b. Bacteriology. *After March* 15.

The student learns the methods of handling, cultivating and studying non-pathogenic bacteria. The practical work gives valuable training in careful laboratory methods. The lectures treat of bacteria from a biological point of view, as very important agents in natural processes.

Biology 3.

Six hours of laboratory work and three lectures or other exercises, weekly through the year.

a. Zoology. Professor ANDREWS and Dr. COWLES. [First half-year].

A comparative study of the chief groups of non-vertebrate animals. This may be made a whole course when botany is not needed.

b. Botany. Professor JOHNSON and an assistant. [Sec ond half-year].

The Structure and Function of Root, Stem, Leaf Flower, and Fruit.

This is a course for beginners, giving a general survey of th nature and activities of plants, the out-door work serving to giv students some familiarity with native plants in the field. Thi may be made a full course by those desiring it for general cu ture, or as a preparation for further work in botany or in fo estry.

Natural History.

Nine hours weekly, from February 1 *to the end of th session.* Professors ANDREWS and GRAVE, with assistants

This elementary course in Zoology and Botany is intended fo those having no training in these subjects and is chiefly a lab ratory course. It is required of students in groups I, II, III.

PHYSIOLOGY

Facilities are offered in the Physiological Laborator for special students, graduates in medicine and others who are interested in special lines of investigation, an also for those who wish to follow courses leading to th degree of Doctor of Philosophy in Physiology or allie subjects.

Regular courses of instruction are given as follows:

1. Advanced lectures. Professor HOWELL.

   Irregular intervals, through the year.

2. Journal Club. Professor HOWELL.

   Weekly, through the year.

3. Seminary. Professor HOWELL.

   Weekly, through the year.

4. Physiology of the Animal Body. Professor HOWELL Associate Professor DAWSON, and Assistants.

   Lectures, three hours weekly, through the year; laboratory, si hours weekly, first half-year.

   [The laboratory course may be repeated in the second half year.]

5. Advanced Laboratory Work. Professor HOWELL and Associate Professor DAWSON.

This work is done individually.

GREEK

GREEK SEMINARY

Professor GILDERSLEEVE will conduct the Greek Seminary, the plan of which is based upon the continuous study of some leading author or some special department of literature.

The Seminary consists of the Director, Fellows, and Scholars, and such advanced students as shall satisfy the Director of their fitness for an active participation in the work by an essay, a critical exercise, or some similar test of attainments and capacity. All graduate students, however, may have the privilege of attending the course.

During the next academic year the study of *Plato and the literary form of Greek Philosophy* will constitute the chief occupation of the members. There will be three meetings of the Seminary each week—two for the interpretation of the text in hand, one for cursory reading in Plato or conferences on kindred subjects.

It is important that all should be provided with the latest edition of Ritter and Preller's *Historia Philosophiae Graecae*. Zeller's Outlines of the History of Greek Philosophy (English or German, German being preferred), Ueberweg-Heinze's *Grundriss der Geschichte der Philosophie des Alterthums* and Gomperz' *Griechische Denker* are also recommended. A complete edition of the text of Plato is necessary (preferably Oxford edition by Burnet), and the student should also possess annotated editions of some of the principal dialogues, such as Apology (Riddell), Gorgias (Lodge's Deuschle-Cron), Meno (E. S. Thompson), Phaidon (Archer-Hind), Phaidros (Thompson), Republic (Adam), Symposion (Hug), Theaitetos (Campbell).

ADVANCED AND GRADUATE COURSES

1. Professor GILDERSLEEVE will also conduct a course of Practical Exercises in Greek, consisting chiefly in translation at dictation from Greek into English and English

into Greek, two meetings a week from the beginning of the session to the first of January.

2. He will hold a series of conferences on Greek Syntax, once a week, from the first of January to the end of the session.

3. He will give a course of lectures on Greek Epic Poetry, illustrated by readings, chiefly from Homer, once a week, from the first of January to the end of the session.

4. Associate Professor MILLER will direct the private reading of advanced students in Plato and Aristotle.

The schedule given above is subject to additions and modifications.

UNDERGRADUATE COURSES

1. Xenophon, *Memorabilia*. (selections).
   Plato, *Apology.*
   Herodotus (selections).
   Three hours weekly, first year. **Associate Professor MILLER.**
   Prose Composition.
   One hour weekly, first year. **Associate Professor MILLER.**
   Private Reading: Plato, *Crito;* Homer, *Odyssey* (two books).

2. Andocides, *de Mysteriis;* Lysias (select orations).
   Euripides (one play).
   Prose Composition.
   Three hours weekly, second year. **Associate Professor SPIEKER.**
   Private Reading: Xenophon, *Hellenica* (book 1); Euripides, *Cyclops.*

3. Plato, *Protagoras.*
   Lyric Poets.
   Sophocles (one play).
   Survey of Greek Literature.
   Prose Composition.
   Three hours weekly, third year. **Associate Professor SPIEKER.**

Private Reading: Elegiac and Iambic Poets; Aeschylus (one play).

4. Thucydides (book VII).
   Lucian (selections).
   Aristophanes, *Frogs*.

   Two hours weekly, fourth year. Associate Professor SPIEKER.

   Greek Life: Lectures and Conferences.

   One hour weekly, fourth year. Associate Professor ROBINSON.

   Private Reading: Demosthenes (select orations); Aristophanes, *Clouds*.

5. Aeschylus, Sophocles, Euripides (one play each).

   Three hours weekly, through the year. Associate Professor SPIEKER.

Associate Professor SPIEKER offers, for beginners in Greek, a course of three or four hours weekly throughout the year. This course is intended primarily for the benefit of such graduate students of language as may feel the need of a knowledge of Greek in the prosecution of their work; but undergraduate students who have the ministry in view, and who have not had any previous training in Greek, may also be admitted. The class will be advanced as rapidly as is consistent with thoroughness of work.

LATIN

The most important organ of training is the Latin Seminary which meets twice a week throughout the year. It consists of the director, fellows, scholars, and such advanced students as shall give satisfactory proof of their ability and training. Any graduate student is at liberty to attend the Seminary exercises, but each regular member is required to take his turn in the work. Each year some author or group of authors in a given department of literature is made the centre of study. The subjects treated during the last three years are as follows:

1906-1907. The Roman Drama, especially Plautus and Terence.
1907-1908. The Roman Satire, especially Horace and Juvenal.
1908-1909. The Roman Historians, especially Livy and Tacitus.

In addition to the regular work of the Seminary, courses of lectures are given every year by the director and from time to time by other qualified persons.

During the academic year 1909-1910 the attention of the Seminary will be given to the Roman Epic, and the centre of this work will be the Aeneid of Vergil.

Students are requested to provide themselves in advance with complete texts of Catullus and Statius (Bibliotheca Classica Oxoniensis), of Vergil, Ovid, Lucan, and Claudian (Teubner), and of Valerius Flaccus (ed. Schenkl, Weidmann, Berlin, 1871). Copies should also be procured of Arndt's Schrifttafeln zur Erlernung der lateinischen Palæographie, 1tes Heft, 4te Auflage (Berlin Grote'sche Verlagsbuchhandlung, 1904).

ADVANCED AND GRADUATE COURSES

1. Throughout the year Professor Smith will lecture once a week on the Roman Epic from Naevius to Claudian.

2. During the first half-year he will lecture once a week on the historical development of the Hexameter.

3. During the second half-year he will lecture once a week upon selected topics in the development of Latin poetical syntax and style.

4. Professor Wilson will give a course of lectures and practical exercises in Latin Palæography once a week until March 1.

5. From March 1 until the end of the year he will lecture once a week on problems of Latin Pronunciation.

6. The advanced students will meet once a week throughout the year for the rapid reading of the epic poets.

This schedule is subject to additions and modifications.

UNDERGRADUATE COURSES

1. Livy (selections); Terence (one play); Catullus (selections).

Three hours weekly, through the year. Professor MUSTARD.

Private Reading: Cicero, *Cato Maior;* Plautus (one play).

Prose Composition.

Weekly, through the year. Professor MUSTARD.

2. Tacitus, *Annals* (selections); Horace, *Odes* and *Epodes.*

Three hours weekly, through the year. Professor MUSTARD.

Private Reading: Tacitus, *Germania;* Horace, *Satires* and *Epistles* (selections).

Prose Composition: exercises from time to time.

3. Lucretius (selections); Vergil, *Georgics.*

Two hours weekly, through the year. Professor MUSTARD.

Private Reading: Cicero, *First Tusculan;* Quintilian (book x).

Roman Literature (with reading of selected passages).

Weekly, through the year. Professor SMITH.

4. Juvenal (selections); Petronius (selections); Apuleius (selections).

Two hours weekly, through the year. Professor WILSON.

Private Reading: Martial (selections); Pliny, *Letters* (selections); Roman Elegy (selections).

Roman Life: lectures and conferences.

Weekly, through the year. Professor WILSON.

5. Ovid, *Metamorphoses:* readings and conferences; Seneca, *Medea:* study of the principles of Roman Rhetoric and Literary Criticism.

Three hours weekly, through the year. Professor SMITH.

6. Advanced Latin Composition.

Weekly, through the year. Professor MUSTARD.

NOTE.—Courses 2, 3, and 4 may be taken only by those who have pursued the courses preceding them. Course 5 may be taken concurrently with Course 4.

Roman Literature (Course 3) and Roman Life (Course 4), each one hour weekly, are open to all students and taken together are counted as half a course.

Classical Archaeology and Art

The work in Classical Archæology and Art is carried on by means of a seminary, various courses of lectures, and practical exercises in the museums. The archæological material in the possession of the university includes good collections of Greek and Roman inscriptions, marbles, bronzes, vases and other terracottas, coins, gems, etc., which not only serve the purpose of illustration, but also form the basis of original investigation. These are supplemented by squeezes, photographs, and lantern slides, as well as by the casts belonging to the university and to the Peabody Institute. The new Walters Gallery, which is not far from the university, contains a very valuable collection of Greek and Roman antiquities.

SEMINARY AND ADVANCED COURSES

The subjects treated in the seminary, or presented in lectures, vary from year to year, so that in three or four years of continuous residence students are brought into contact with the principal fields of archæological research. These subjects include Greek and Roman architecture, epigraphy, topography, sculpture, coins, gems, bronzes, and terracottas, Mycenæan civilization, Greek vase painting, and Latin Palæography. The following courses are offered in the year 1909-10.

1. Archæological Seminary. Ancient Roman Coinage, with especial reference to the Spanish colonial series. Professor Wilson.

Two hours weekly, through the year.

Note.—The coin cabinets of the university contain more than five thousand specimens, many of which were brought together years ago by Professor Helbig. This nucleus has lately been increased by the gift of more than three thousand gold, silver and bronze coins from Spain, which were collected by a Spanish nobleman during the last forty years. A part of this material is still unpublished.

2. The Topography and Monuments of Rome, with especial reference to the imperial *Fora* and the development of the city in the *Campus Martius*. Professor WILSON.

Weekly, through the year.

3. Latin Palæography: lectures and practical exercises on facsimiles of manuscripts. Professor WILSON.

Weekly, until March 1.

4. Archæological Journal Club, in which the students will meet at stated intervals to read, report, and discuss the current literature of the subject. Professor WILSON.

Professor Wilson will give also a course of lectures on problems in Latin pronunciation, as announced under the head of Latin.

Associate Professor D. M. Robinson will spend the year 1909-10 in the American School of Classical Studies at Athens as Professor of the Greek Language and Literature. During his absence no regular lectures will be given in Greek Archæology and Art, but suitable provision will be made for the guidance of advanced students in their reading and for the conduct of the undergraduate courses mentioned below.

UNDERGRADUATE COURSES

1. Outlines of Classical Archæology; lectures and conferences. Professor WILSON.

Three hours weekly, through the year.

This course is intended to furnish a rapid survey of the principal fields of Greek, Etruscan and Roman archæology and art. Knowledge of Latin and Greek is not required.

2. The Private Life of the Romans. Professor WILSON.

Weekly, through the year.

3. The Private Life of the Greeks.

Weekly, through the year.

Courses 2 and 3 are parts of Latin 4 and Greek 4, respectively, but may be pursued by any student of the University. Taken together they count as half a course, and with the course in Roman Literature (Latin 3) as a full course.

Sanskrit and Comparative Philology

Courses of instruction, directed by Professor Bloomfield, with the assistance of the Fellow or the Scholar in Sanskrit, are provided in the Indo-Iranian languages (Vedic and Classical Sanskrit, Pāli and Prākrit, Avestan and Old Persian), in Comparative Grammar of the Indo-European languages, in historical Ethnology of the Indo-European peoples, and in general Linguistic Science. During recent sessions courses in the Lithuanian language and literature were given; these also will continue to form a regular feature of the work of the university.

These courses aim to meet the wants of those who wish to devote themselves to the study of these branches exclusively and for their own sake, *i. e.*, those who wish to become specialists in Sanskrit Philology or Comparative Philology; and also the wants of students of languages in general, who wish to obtain a broader linguistic basis for special studies in other departments of philology.

The advanced work aims especially to meet the wants of those who wish to make Indian Philology or Comparative Philology their special study. This work centres in the Sanskrit Seminary and not infrequently involves the use of Sanskrit manuscripts.

A prolonged course in Sanskrit, involving two lectures a week during two years and attendance in the Sanskrit Seminary for a half-year (one hour a week), is planned, so as to furnish a good knowledge of Classical Sanskrit and to include an introduction into the dialect of the Vedas. This amount of work represents material sufficient for the first subsidiary subject for the degree of Doctor of Philosophy. A course in the same study for one and a half years, involving two hours a week, is the amount required for a second subsidiary subject leading to the same degree.

A synopsis of the courses offered during past years may be presented under the following heads:

I. Courses in the general principles of comparative philology or linguistic science, and on special chapters thereof; lectures on ethnology and the history of religions.

II. Courses in the general comparative grammar of the Indo-European languages; comparative grammar of Sanskrit and Avestan; comparative study of Indo-European accentuation; comparative study of Greek, Latin, Sanskrit, and Teutonic, including vocalism, consonantism, noun-formation, and inflections.

III. The Vedic, Sanskrit, and Prākrit dialects; Rig-Veda; Atharva-Veda; literature of the Brāhmanas and Upanisads. The law books of Manu and Yājñavalkya; the Drama Çakuntalā and introduction into Prākrit; Hitopadeça, Kathāsaritsāgara, and Nala. Sanskrit grammar and prose composition.

IV. The Pāli language and Buddhist literature.

V. The Avestan language and the sacred books of the Avesta.

VI. The Lithuanian language and literature.

The following courses, in charge of Professor Bloomfield, will be given during the session of 1909-1910:

A. *Linguistic Science and Comparative Grammar of the Indo-European Languages.*

1. The elements of Linguistic Science, with an account of the Ethnology and Religions of the Indo-European peoples. *Weekly, through the year.*

2. Comparative grammar of the more familiar Indo-European languages (Greek, Latin, German, and Sanskrit): The principles and history of noun formation. *Weekly, through the year.*

B. *Indo-Aryan Philology.*

3. Vedic Seminary: The literature of the Atharva-Veda. *Weekly, through the year.*

4. The elements of Vedic philology: Vedic grammar, metres, and interpretation of selected hymns of the Rig-Veda. *Weekly, second half-year.*

5. The drama Çakuntalā, together with an introduction to the study of Prākrit. *Weekly, through the year,*

6. Beginners' course in Sanskrit: grammar (Whitney's Sanskrit Grammar) and interpretation of an easy text (Lanman's Reader). *Twice weekly, through the year.*

7. Selections from the Hitopadeça and the Law-Book of Manu (second year's course in Classical Sanskrit). *Twice weekly, first half-year.*

C. *Other Indo-European Languages.*

8. Introduction to the Lithuanian Language and Literature. *Weekly, through the year.*

NOTE.—No knowledge of Sanskrit is presupposed for courses 1, 2, 6 and 8. Course 1 sketches briefly the history of the Science of Language; presents a systematic account of the ethnology and religions of the Indo-European peoples; deals with the principles that govern the life and growth of language, and finally treats of the origin of language. Course 2 is intended as an elementary introduction into the methods and results of the Comparative Grammar of the more important Indo-European languages.

ORIENTAL SEMINARY

The various courses are adapted to the requirements of four classes of students, namely: (*a*) students of theology wishing to obtain a thorough acquaintance with the sacred tongue and its sister idioms as a means of elucidating Scripture and problems of the comparative history of religion; (*b*) students of linguistics intending to make comparative grammar of the Semitic languages their specialty; (*c*) students of Oriental history and archæology desirous of drawing directly from the original sources; (*d*) persons looking for instruction in the living Oriental languages (as modern Arabic, Turkish, Persian, Amharic, Malay, Tagalog, etc.) for practical purposes.

A room has been set apart containing a well-equipped working library for all the branches of Oriental research (including the library of the late Professor A. Dillmann, of Berlin, the Leopold Strouse Semitic Library, a special

collection of works on Philippine dialects, etc.), and some advanced students are usually present to help in the preparation for the recitations conducted by the Director of the Seminary, and to furnish any other aid that may be desired. Near the Dillmann Library, on the same floor, are some archæological and antiquarian collections, including the Cohen Collection of Egyptian Antiquities, the Sonneborn Collection of Jewish Ceremonial Objects, collections of Hebrew and other Oriental manuscripts, Babylonian seal-cylinders and clay tablets, etc.

The following courses are offered for the academic year, 1909-10:

Oriental History, Literature, and Archaeology

1. History of the Ancient East (Egypt, Babylonia, Assyria, Persia, Israel, and Judah). Professor JOHNSTON. *Saturday,* 11 *a. m.*

2. Literature of the Ancient East with special reference to the hieroglyphic and cuneiform records bearing on the Scriptures. Professor JOHNSTON. *Saturday,* 12 *m.*

3. Jewish Ceremonial Institutions and Customs. Dr. ROSENAU. *Wednesday,* 5 *p. m.*

4. The Literature of the Old Testament (with special reference to date and authorship). Dr. ROSENAU. *Thursday,* 5 *p. m.*

5. Interpretation of Selected Chapters of the Old Testament (on the basis of the Authorized Version). Professor HAUPT and Dr. BLAKE. *Friday,* 5 *p. m.*

Biblical Philology

6. Elementary Hebrew. Dr. EMBER. *Wednesday,* 3-5 *p. m.*

7. Hebrew: Second Year's Course. Dr. BLAKE. *Thursday,* 4 *p. m.*

8. Hebrew Syntax (Use of the Tenses, etc.). Dr. BLAKE. *Thursday,* 3 *p. m.*

6. Beginners' course in Sanskrit: grammar (Whitney's Sanskrit Grammar) and interpretation of an easy text (Lanman's Reader). *Twice weekly, through the year.*

7. Selections from the Hitopadeça and the Law-Book of Manu (second year's course in Classical Sanskrit). *Twice weekly, first half-year.*

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22. Arabic for Beginners (with special reference to students of Hebrew). Dr. EMBER. *Monday and Wednesday, 9 a. m.*

23. Extracts from Arabic Geographers. Professor JOHNSTON. *Thursday, 10 a. m.*

24. Arabic Prose Composition. Professor HAUPT. [See No. 10.]

Ethiopic

25. Ethiopic (Dillmann's Chrestomathy). Dr. BLAKE. *Wednesday, 4 p. m.*

Assyriology

26. Assyrian (Selected Historical Texts). Professor JOHNSTON. *Thursday, 11 a. m.*

27. Sumerian (Selected Bilingual Hymns). Professor HAUPT. *Monday, 5 p. m.*

28. Assyrian and Sumerian Prose Composition. Professor HAUPT. [See No. 10.]

Egyptology

29. Egyptian for Beginners. Professor JOHNSTON. *Friday, 11 a. m.*

30. Selected Hieroglyphic Texts. Professor JOHNSTON. *Friday, 10 a. m.*

Malayo-Polynesian Philology

31. Malay. Dr. BLAKE. *Monday, 4 p. m.*

32. Elementary Tagalog. Dr. BLAKE. *Monday, 5 p. m.*

Journal Meeting

33. Journal Meeting. Professor HAUPT. *Tuesday, 3 p. m.*

9. Unpointed Hebrew Texts. Dr. ROSENAU. *Monday,* 11 *a. m.*

10. Prose Composition (Hebrew, Arabic, Assyrian, and Sumerian). Professor HAUPT. *Monday,* 4 *p. m.*

11. Comparative Semitic Grammar (The Structure of the Verb). Professor HAUPT. *Monday,* 3 *p. m.*

12. Old Testament Seminary (Critical Interpretation of the Minor Prophets). Professor HAUPT. *Tuesday,* 4-6 *p. m.*

13. Cursory Reading of the Hebrew Bible. Dr. EMBER. *Monday,* 5 *p. m.*

14. Post-Biblical Hebrew. (Selections from the Mishnah and the Talmud; Rabbinical Commentaries on the Bible). Dr. ROSENAU. *Tuesday,* 9 *a. m.,* 11 *a. m., and* 2 *p. m.*

15. Medieval Hebrew Poetry. Dr. EMBER. *Friday,* 10 *a. m.*

16. Jewish Philosophers of the Middle Ages. Dr. ROSENAU. *Monday,* 10 *a. m.*

17. Modern Hebrew. Dr. EMBER. *Tuesday,* 11 *a. m.*

18. Hebrew Conversation. Dr. EMBER. *Friday,* 9 *a. m., Tuesday,* 10 *a. m.*

19. Biblical Aramaic Grammar and Interpretation of the Aramaic Portions of the Book of Ezra. Dr. BLAKE. *Friday,* 4 *p. m.*

Syriac

20. Syriac (Roediger's Chrestomathy). Dr. BLAKE. *Friday,* 3 *p. m.*

Arabic

21. Elementary Arabic (with special reference to students of Romance Languages). Dr. EMBER. *Friday,* 12 *m.*

5. Lectures on Ben Jonson and his Followers, and on the Drama of the Eighteenth Century. Professor BROWNE. *Wednesday,* 11 *a. m.*

6. Lectures on the Arthurian Romances, and on English Prose Style from its beginnings. Professor BROWNE, *Friday,* 11 *a. m.*

UNDERGRADUATE COURSES

Introductory courses in (*a*) Rhetoric and English Composition, (*b*) Platform Speaking and Forensics, and (*c*) English Literature, are prescribed for all undergraduate students. For those who may wish to continue their study in any of these departments, elective courses are provided in the various forms of discourse and in the more important periods of English and American literature. Further practice in debating is provided in connection with the elective course in exposition and argument, and in the annual inter-class and inter-collegiate debates.

English Composition

1. Rhetoric and English Composition.

Theory, based upon text-books, lectures, and discussions; critical study of prose writers; frequent practice in writing. This course is prescribed during the first year.

Three hours weekly, through the year. Dr. FRENCH and an assistant.

1*a*. English Composition.

This course is prescribed during the second year. Students who have attained a mark of "8" on the work of the first year are excused from this course.

One hour a week, through the year.

2. Description and Narration.

Readings in standard prose. Practice in writing.

One hour a week, through the year. Professor GREENE.

3. Exposition and Argument.

During the first term, the theory of exposition, with frequent practice in expository writing. During the second and third terms, the theory of argument; practice in writing; platform speaking and debate.

Two hours weekly, through the year. Dr. FRENCH.

English

GRADUATE COURSES

In the graduate courses the subject of English is studied with reference to the historical and technical aspects of linguistic and literary science. The usual sequence of courses enables a student, in three or four years, to study with precision the important departments of grammar and of literature, and to become trained in the processes of original investigation. Instruction is imparted by lectures, by freer conferences, by the methods of the Seminary, and by class-room recitation. A Journal Club is conducted for the purpose of supplementing the regular courses with reports of the current work of scholars.

1. *English Seminary*

Graduate students are admitted to the Seminary as soon as they have satisfied initial requirements for independent research.

In the academic year 1909-10, the Seminary will be engaged in the study and investigation of the following subjects:

(*a*) *Beowulf,* and the doctrine of Epic Poetry. *From October to January.*

(*b*) The Poetry of Byron and Shelley. *From January to the end of the year.* The Seminary will be conducted by Professor Bright. *Tuesday and Thursday,* 3-5 *p. m.*

2. Lectures on Historical Grammar, Versification, and Literary Criticism. Professor Bright. *Monday,* 11 *a. m.*

3. Interpretation of selected texts. Professor Bright. *Tuesday and Thursday,* 12 *m.*

4. The Journal Club of the English Seminary. Professor Bright. *Alternate Fridays,* 3-5 *p. m.*

5. English Literature. (Third Year of Group II).

First half-year: The Caroline and "classical" periods of English Literature, 1625 to 1770.

Second half-year: The period of the romantic reaction in English Literature, 1770 to recent times.

Three hours weekly, through the year. Professor BROWNE.

6. English. (Fourth Year of Group II).

First half-year: Anglo-Saxon.

Second half-year: Middle English and Early Scottish Poets.

Three hours weekly, through the year. Professors BRIGHT and BROWNE.

GERMAN

Under this head are included German Language and Literature and subjects in the wider field of Germanic Philology. Regular instruction, through seminary and lectures, is given in German Literature and in Gothic, Comparative German Grammar, Old High German, and Middle High German; while occasional courses are offered in Old Norse, Old Saxon, and Old Frisian.

ADVANCED COURSES

Seminary

The library of the German Seminary, to which all advanced students have the fullest access, is open, Mondays to Fridays, from 9 a. m. to 5 p. m., and Saturdays from 9 a. m. to 1 p. m. The Seminary treats, in successive half-years, some theme from the period of German Classicism or Romanticism, and a subject from the literature of Middle High German. During the year 1909-10 the Seminary will meet three times weekly. The subject for the first half-year will be Goethe's *Faust*. In the study of the First Part, beginning with the Urfaust, the questions of conception and composition of the drama will be considered, in chronological order, from the point of view of Goethe's mind and art. The Second Part will be inter-

English

GRADUATE COURSES

In the graduate courses the subject of English i studied with reference to the historical and technica aspects of linguistic and literary science. The usua sequence of courses enables a student, in three or fou years, to study with precision the important department of grammar and of literature, and to become trained i the processes of original investigation. Instruction i imparted by lectures, by freer conferences, by th methods of the Seminary, and by class-room recitation A Journal Club is conducted for the purpose of supple menting the regular courses with reports of the curren work of scholars.

1. *English Seminary*

Graduate students are admitted to the Seminary a soon as they have satisfied initial requirements for inde pendent research.

In the academic year 1909-10, the Seminary will b engaged in the study and investigation of the followin subjects:

(*a*) *Beowulf,* and the doctrine of Epic Poetry. *Fron October to January.*

(*b*) The Poetry of Byron and Shelley. *From Januar to the end of the year.* The Seminary will be conducte by Professor BRIGHT. *Tuesday and Thursday,* 3-5 *p. m*

2. Lectures on Historical Grammar, Versification and Literary Criticism. Professor BRIGHT. *Monday* 11 *a. m.*

3. Interpretation of selected texts. Professor BRIGHT *Tuesday and Thursday,* 12 *m.*

4. The Journal Club of the English Seminary. Pro fessor BRIGHT. *Alternate Fridays,* 3-5 *p. m.*

5. Lectures on Ben Jonson and his Followers, and on the Drama of the Eighteenth Century. Professor BROWNE. *Wednesday,* 11 *a. m.*

6. Lectures on the Arthurian Romances, and on English Prose Style from its beginnings. Professor BROWNE, *Friday,* 11 *a. m.*

UNDERGRADUATE COURSES

Introductory courses in (*a*) Rhetoric and English Composition, (*b*) Platform Speaking and Forensics, and (*c*) English Literature, are prescribed for all undergraduate students. For those who may wish to continue their study in any of these departments, elective courses are provided in the various forms of discourse and in the more important periods of English and American literature. Further practice in debating is provided in connection with the elective course in exposition and argument, and in the annual inter-class and inter-collegiate debates.

English Composition

1. Rhetoric and English Composition.

Theory, based upon text-books, lectures, and discussions; critical study of prose writers; frequent practice in writing. This course is prescribed during the first year.

Three hours weekly, through the year. Dr. FRENCH and an assistant.

1*a*. English Composition.

This course is prescribed during the second year. Students who have attained a mark of "8" on the work of the first year are excused from this course.

One hour a week, through the year.

2. Description and Narration.

Readings in standard prose. Practice in writing.

One hour a week, through the year. Professor GREENE.

3. Exposition and Argument.

During the first term, the theory of exposition, with frequent practice in expository writing. During the second and third terms, the theory of argument; practice in writing; platform speaking and debate.

Two hours weekly, through the year. Dr. FRENCH.

Public Speaking

1. Reading and Platform Speaking.

In this course attention is paid to correct habits of breathing and to enunciation and expression. The course is prescribed during the second year.

One hour a week, through the year. Dr. FRENCH.

2. Public Speaking.

The principles of argumentation; practice in argumentative writing and in debate; parliamentary procedure. This course is prescribed during the third year.

One hour a week, through the year. Dr. FRENCH.

Note. Additional practice in platform speaking and in debate is provided in English Composition 3. A more specific statement respecting these courses is made on page —.

English Literature

1. English Literature: introductory course.

The class will become acquainted with the course of English Literature from the seventh century until about 1600. Much of the poetry of Chaucer, Spenser, and Shakespeare will be read in the class-room and in private reading. This course is prescribed during the second year.

Three hours weekly, through the year. Professor GREENE.

2. English Literature, 1600-1744.

First half-year: English Literature from 1600 to 1660; special attention will be given to the English Bible and to the works of Bacon and Milton.

Second half-year: From the Restoration to the death of Pope (1660-1744); the work will centre upon the writings of Dryden, Addison, Steele, Swift, and Pope.

Three hours weekly, through the year. Professor GREENE.

3. English Literature, 1798-1892.

First half-year: English Literature from the publication of the *Lyrical Ballads* to the death of Coleridge (1798-1834); the work will centre upon the writings of Wordsworth, Coleridge, Keats, Shelley, Byron, and Scott.

Second half-year: Tennyson and Browning; novelists and essayists since 1832.

Three hours weekly, through the year. Professor GREENE.

4. American Literature.

Literary history in outline; critical study of selected authors; written reports on assigned reading.

Two hours weekly, through the year. Dr. FRENCH.

5. English Literature. (Third Year of Group II).

First half-year: The Caroline and "classical" periods of English Literature, 1625 to 1770.

Second half-year: The period of the romantic reaction in English Literature, 1770 to recent times.

Three hours weekly, through the year. Professor BROWNE.

6. English. (Fourth Year of Group II).

First half-year: Anglo-Saxon.

Second half-year: Middle English and Early Scottish Poets.

Three hours weekly, through the year. Professors BRIGHT and BROWNE.

GERMAN

Under this head are included German Language and Literature and subjects in the wider field of Germanic Philology. Regular instruction, through seminary and lectures, is given in German Literature and in Gothic, Comparative German Grammar, Old High German, and Middle High German; while occasional courses are offered in Old Norse, Old Saxon, and Old Frisian.

ADVANCED COURSES

Seminary

The library of the German Seminary, to which all advanced students have the fullest access, is open, Mondays to Fridays, from 9 a. m. to 5 p. m., and Saturdays from 9 a. m. to 1 p. m. The Seminary treats, in successive half-years, some theme from the period of German Classicism or Romanticism, and a subject from the literature of Middle High German. During the year 1909-10 the Seminary will meet three times weekly. The subject for the first half-year will be Goethe's *Faust*. In the study of the First Part, beginning with the Urfaust, the questions of conception and composition of the drama will be considered, in chronological order, from the point of view of Goethe's mind and art. The Second Part will be inter-

preted in selected portions, and Goethe's draft of particular scenes and of the uncompleted plot will be examined, together with the Paralipomena. During the second half-year the *Parzival* of Wolfram von Eschenbach will be studied. The introduction, the third, fifth, ninth and twelfth books, with other selected passages, will be read, and the general question of Wolfram's relation to his literary sources discussed. Particular attention will be paid to the epic style in *Parzival,* as compared with the other representative Courtly Epics, and with *Titurel* and *Willehalm.* The Seminary will be conducted by Professor Wood.

Students are requested to procure Goethe's *Faust,* the First Part, edited by Calvin Thomas, Second Edition, Boston, 1898; Goethe's *Faust in ursprünglicher Gestalt,* hrsg. von E. Schmidt. 5. Abdruck, Weimar 1902; Fr. Strehlke, *Paralipomena zu Goethe's Faust,* Stuttgart, 1891; *Wolframs von Eschenbach Parzival und Titurel,* hrsg. von Ernst Martin. Erster Teil: Text, Halle, 1900; Zweiter Teil: Kommentar, Halle, 1903.

Germanic Society

The Germanic Society, which includes as members all the instructors and advanced students in German, meets fortnightly. Before it are presented not only reports on articles in current journals, but also successive results of studies by the members. The chief object of the Society is to foster and guide the aptitude for more sustained individual investigation than the collective work of the Seminary offers scope for.

Lectures

1. Gothic and the Elements of Comparative Germanic Grammar.

Professor COLLITZ. *Two hours weekly, through the year.*

Students are requested to procure Braune's *Gotische Grammatik,* 6. Auflage, Halle, 1905.

2. Old Low German.

Professor COLLITZ. *Weekly, through the year.*

Students should procure Holthausen's *Altsächsisches Elementarbuch,* Heidelberg, 1899.

3. Old High German. (Continued).

Professor COLLITZ. *Weekly, first half-year.*

4. Middle High German: Introductory Course.

Professor COLLITZ. *Two hours weekly, through the year.*

Students should be provided with Paul's *Mittelhochdeutsche Grammatik*, 5. Auflage, Halle, 1904, and Bachmann's *Mittelhochdeutsches Lesebuch*, 3. Auflage, Zürich, 1904.

5. History of German Literature in the Eighteenth Century.

Professor WOOD. *Two hours weekly, first half-year.*

After a review of the Second Silesian literary movement, the critical reforms at the close of the seventeenth century will be considered in detail, after which a series of representative eighteenth century works will be read, extending to the publication of Goethe's *Götz von Berlichingen* (1773). The movements will be studied from the point of view of literary form, and the attempt will be made to characterize the various representative forms as nationally German, or as adaptations from foreign sources, or as a mixture of both.

6. Goethe's Later Dramas.

Professor WOOD. *Twice weekly, first half-year.*

Goethe's plays, with typical characters, beginning with the period of the French Revolution (*Natürliche Tochter, Fragment eines Trauerspiels, Pandora, etc.*) will be studied, as representing a distinct development in the poet's art and in his dramatic theory.

7. *Simplicissimus* and the German Romance of the Seventeenth Century.

Professor WOOD. *Twice weekly, second half-year.*

8. History of the German Novel in the Eighteenth Century.

Dr. ROULSTON. *Weekly, through the year.*

Special Courses

1. Scientific German. Dr. KURRELMEYER.

Two hours weekly, through the year.

2. Historical German. Dr. ROULSTON.

Two hours weekly, through the year.

3. German Conversation. Mr. HOFMANN.

Weekly, through the year.

NOTE.—Classes 1 and 2 are for graduates who lack the ability to read German at sight.

UNDERGRADUATE COURSES

German Elements.

Vos, *Essentials of German;* Gerstäcker, *Germelshausen;* Keller, *Kleider machen Leute;* Wilhelmi, *Einer muss heiraten;* von Wildenbruch, *Das edle Blut;* Prose Composition; Grammar.

Four hours weekly, through the year. Dr. KURRELMEYER.

This course is intended only for students who have matriculated in Greek. For such students, it absolves the requirements in German; other students must absolve course 1.

German 1.

Modern Prose Readings: C. F. Meyer, von Saar, Fulda, Keller, Sudermann.

Three hours weekly, through the year. Dr. ROULSTON.

In case of necessity this class will meet in two sections.

Prose Composition.

Weekly, through the year. Professor WOOD.

Private Reading.

German 2.

Classical Authors: Schiller, *Maria Stuart, Die Braut von Messina;* Goethe, *Hermann und Dorothea.*

Twice weekly, through the year. Dr. ROULSTON.

Prose Composition.

Weekly, through the year. Dr. ROULSTON.

Private Reading.

German 3.

Goethe, *Faust, Tasso, Iphigenie.*

Two hours weekly, through the year. Professor WOOD.

History of Literature (Classical Period). Lyrics and Ballads.

Weekly, through the year. Dr. ROULSTON.

The work in Goethe and in the History of Literature, etc., may be taken separately.

German 4.

Contemporary Literature, in rapid readings.

Three hours weekly, through the year. Dr. KURRELMEYER.

German 5.

Historical Readings.

Schiller, *Der dreissigjährige Krieg;* Freytag, *Aus dem Jahrhundert des grossen Krieges;* von Sybel, *Die Erhebung Europas.*

Two hours weekly, through the year. Dr. ROULSTON.

German 6.

Scientific German.

Lassar-Cohn, *Die Chemie im täglichen Leben;* von Helmholtz, *Ueber Goethe's naturwissenschaftliche Arbeiten;* Walther, *Allgemeine Meereskunde.*

Two hours weekly, through the year. Dr. KURRELMEYER.

This course is open to students who have completed Course 1.

German 7.

German Conversation.

Weekly, through the year. Mr. HOFFMAN.

ROMANCE LANGUAGES

The department of Romance Languages offers facilities for work in manuscript sources and palæography, in literature (old and modern), in language (phonetics, morphology, history, syntax, dialects), and in Popular Latin. For students who desire the degree of Doctor of Philosophy, three years are usually required (in the principal subject), under the direction of the various professors in the department. The work is confined almost entirely to the three principal Romance languages (French, Spanish, and Italian), in the literatures and languages of which special attention is paid to the origins.

Instruction is given in lectures and regular class exercises, the former being supplemented by subjects for special investigation assigned to the student. For each of the languages noted above, a seminary meeting is held once a week. In French the seminary for the old literature alternates with that for the modern literature. A meeting of the Romance Club is also held weekly, when original papers are read and reviews of recent journals

presented. The subjects for work during the academic year 1909-10 are as follows:

ADVANCED COURSES

French

(*a*) Seminary: Old French Literature (Marie de France; Work on Manuscripts).
Professor ELLIOTT. *Two hours fortnightly.*

(*b*) Seminary: Modern French Literature, The Development of French Style. The Sixteenth Century: Amyot, L'Hôspètal, Pasquier.
Associate Professor OGDEN. *Two hours fortnightly.*

(*c*) French Poetry from the Renaissance.
Associate Professor OGDEN. *Weekly.*

(*d*) The French Drama in the Nineteenth Century.
Associate Professor OGDEN. *Weekly.*

(*e*) The Carolingian Epic.
Professor F. M. WARREN. *November and December.*

(*f*) The Crusade Epic, and the Poems on Alexander.
Professor F. M. WARREN. *November and December.*

(*g*) French Classics.
Dr. Brush. *Fortnightly.*

(*h*) Marie de France: Bisclavret.
Professor ELLIOTT. *Two hours fortnightly.*

(*i*) Readings in Old French Literature: *Class A* (Epic and Lyric Poetry).
Professor ARMSTRONG. *Weekly.*

(*j*) French Syntax: The Pronoun.
Professor ARMSTRONG. *Two hours weekly.*

(*k*) French Phonology and Morphology.
Professor ARMSTRONG. *Three hours weekly.*

(*l*) Readings in Old-French Literature: *Class B.*
Professor ARMSTRONG. *Weekly.*

(*m*) French Phonetics.
Professor ARMSTRONG. *Weekly.*

(*n*) French Dialects.
Professor ELLIOTT. *Weekly.*

(*o*) French Palæography.
Dr. KEIDEL. *Weekly.*

(*p*) History of Mediæval Fable Literature.
Dr. KEIDEL. *Weekly, first half-year.*

(*q*) Mediæval Sources.
Dr. KEIDEL. *Weekly, second half-year.*

Spanish

(*r*) Spanish Seminary: *Libro de Apolonio.*
Professor MARDEN. *Two hours weekly.*

(*s*) The Spanish Drama before Lope de Vega.
Professor MARDEN. *Weekly.*

(*t*) Readings in Old Spanish Literature.
Professor MARDEN. *Weekly.*

(*u*) Spanish Historical Grammar.
Professor MARDEN. *Two hours weekly.*

Italian

(*v*) Dante and the Divine Comedy.
Professor ELLIOTT. *Weekly.*

(*w*) Italian Seminary: The Prose Literature of the Thirteenth Century.
Dr. SHAW. *Two hours weekly.*

(*x*) The Contemporary Drama.
Dr. SHAW. *Weekly.*

(*y*) Methodology of the Romance Languages.
Dr. KEIDEL. *Weekly.*

(*z*) Popular Latin.
Professor ELLIOTT. *Weekly.*

(*aa*) Romance Club.
Weekly.

A course of lectures, in French, will be given fortnightly under the auspices of the Alliance Française of Baltimore, by Professor E. Giroud, of Philadelphia.

UNDERGRADUATE COURSES

French

French Elements.

a. The Essentials of Grammar. Fraser and Squair, *French Grammar, Part I.*

b. Easy French Texts. Verne, *Les En*
Grant; Labiche, *La Grammaire;*
la Marquise; Pailleron, *l'Etincell*
dre de M. Poirier.

Four hours weekly, through the year.

This course is intended only for students v
in Greek, and have fully met *at entrance*
quirements; for such students, it absolves
French for the baccalaureate degree. Othe
French 1.

French 1 (*Intermediate Course*).

a. Modern French Prose Writers: Du
pée, Maupassant, Mérimée, Labich
gier, Theuriet, Balzac. Classics:
Molière, *Les Précieuses ridicules,*

b. Grammar and Composition based
Exercises in pronunciation and di

c. Private reading: Fortier, *Histoi*
martine, *Scènes de la Révolution*
taine, *Fables.*

Four hours weekly, through the year.
OGDEN and BRUSH.

French 2 (*Advanced Course*).

a. The Nineteenth Century. Readin
martine, Gautier, Alfred de Vigny
Balzac, Flaubert, Zola, Taine, Fr
Canfield's *French Lyrics.*

b. Prose Composition; dictation.

c. Lectures on French literature and

d. Private reading.

Three hours weekly, through the year.
BRUSH.

French 3.

The Development of the Drama in t
Nineteenth Centuries.

a. Readings from Lesage, Destouch
daine, Nivelle de la Chaussée,

Beaumarchais, Hugo, Musset, Dumas fils, Augier, Rostand, Mirbeau, Lavedan, Bernstein, Capus.

b. Lectures on the authors read.

Two hours weekly, through the year. Associate Professor BRUSH.

French 4.

Classics of the Seventeenth and Eighteenth Centuries. Readings from Corneille, Racine, Molière, Voltaire, Rousseau. Warren's *French Prose of the Seventeenth Century.*

Two hours weekly, through the year. Associate Professor BRUSH.

French 5.

Advanced Composition.

Weekly, through the year. Professor ARMSTRONG.

Spanish

1. Hills and Ford, *Spanish Grammar;* Prose Composition; Isla, *Gil Blas;* Alarcón, *El Capitán Veneno;* Peréz Galdós, *Doña Perfecta.*

Three hours weekly, through the year. Professor MARDEN.

This course is adapted to beginners.

2. Lope de Vega, *La Estrella de Sevilla;* Alarcón, *La verdad sospechosa;* Calderón, *La vida es sueño;* Cervantes, *Don Quixote.*

Grammar and Prose Composition. History of Spanish Literature.

Three hours weekly, through the year. Professor MARDEN.

This course is open to students who have completed Course 1 or its equivalent.

Italian

1. Grandgent, *Italian Grammar and Composition;* Goldoni, *La Locandiera;* Fogazzaro, *Daniele Cortis.*

Three hours weekly, through the year. Dr. SHAW.

2. Grandgent, *Italian Grammar;* Selections from Carducci, Manzoni, Ariosto, Boccaccio, Petrarch, Dante.

Three hours weekly, through the year. Dr. SHAW.

History

Facilities for research are offered in the principal fields of history. Special attention is given to methods of investigation and each advanced student comes under the personal direction of the instructors in his chosen field. This supervision is obtained through seminary meetings and frequent private consultation.

In addition to the library of the university, students make use of the admirable collections of source material in the Peabody Library and the Maryland Historical Society, and are in constant touch with the great resources of the Library of Congress and the departments in Washington.

GRADUATE COURSES

European History. The courses in European history direct attention to the social, economic, and constitutional development of European peoples. The subjects follow in consecutive order, the topics for each year forming a complete and independent group. The series requires three years for completion and offers opportunities for close study of selected portions of the mediæval and early modern history of the Continent. Every third year a course on non-American contemporary history is given, particularly since 1871, for the purpose of arousing interest in the historical aspects of recent events and of showing some of the characteristics of modern political, social, and economic life in other countries than America. A weekly seminary is held for the study of problems in European history and institutions.

Courses in Latin palæography and in French palæography are given in their respective departments.

English History. The course in English constitutional history extends over a period of three years, tracing the origin and growth of the English constitution from earli-

est times to the present century. The treatment allows for the consideration of closely allied institutional and economic aspects of the subject. A separate course on the historical development of English common and statute law is also given. A weekly seminary is held for the study of texts and the examination of problems raised in the lectures. Special attention is paid to collections of documentary material.

American History. The courses in American history begin with the history of British colonization in America and deal with the constitutional and economic growth of the colonies, and the constitutional and political history of the United States after 1783. A weekly seminary is held for research in special subjects in American history.

Ancient History. The constitutional history of Greece and Rome is supplemented by lectures on the Roman Law. Certain portions of Oriental History are treated in the departments of Semitics and Sanskrit.

Special Lectures. The Albert Shaw Lectures on Diplomatic History are given annually by investigators in selected fields of American and foreign relations. The scope of the lectures is not confined to the United States, but lectures on European diplomatic history will also find their due place.

The James Schouler Lectures on History and Political Science are given annually by lecturers of prominence, upon topics indicated in the title of the lectureship. These lectures are open to the public as well as to the students and members of the University. The course for 1909 was given by Dr. Abbott Lawrence Lowell, President of Harvard University, and it is expected that the lecturer for 1910 will be George Walter Prothero, Litt. Doc., formerly professor of history in the University of Edinburgh, now editor of the *Quarterly Review* and Honorary Fellow of Queen's College, Cambridge.

Baron Serge Korff, Professor of Public Law in the University of Finland, will give a departmental course of lectures in the spring of 1910 on Modern Russian History and Law.

Other lectures of interest to the students of this department, either open to the public or designed for class instruction, are given from time to time by distinguished scholars outside the University. These lectures are, in part, provided for from the income of the fund bequeathed by the late Professor Herbert B. Adams.

Historical and Political Science Association. This monthly meeting of the instructors and students of the departments of History, Political Economy, and Political Science affords an opportunity to hear addresses from prominent specialists, to consider important movements and undertakings, and to present critical reviews of recent publications in the fields of history, political economy, and political science.

For the year 1909-10 the courses will be as follows:

Professor VINCENT.

1. Europe. French Revolution.
   Two hours weekly, first half-year.
2. Europe. Nineteenth Century to 1848.
   Two hours weekly, second half-year.
3. Seminary in European History.
   Two hours, alternate weeks.

Professor ANDREWS.

1. Constitutional History of England, 1688-1900.
   Two hours weekly, through the year.
2. Modern European History, 1871-1909.
   One hour weekly, through the year.
3. Seminary in English History.
   Two hours, alternate weeks.

Associate Professor BALLAGH.

1. History of the United States, 1789-1860.
   Two hours weekly, through the year.
2. Seminary in American History.
   Two hours, alternate weeks.

Dr. STEINER.

History of English Law.

One hour weekly, through the year.

Dr. MAGOFFIN.

1. History of Greece to 338 B. C.

One hour weekly, through the year.

2. History of Rome and Italy to 133 B. C.

One hour weekly, through the year.

UNDERGRADUATE COURSES

1. History of Greece and Rome.

The political and constitutional history of Greece and Rome, approached through the translated texts of Herodotus, Thucydides, Suetonius, Tacitus, and others, with the aid of modern authorities.

Three hours weekly, through the year. Dr. MAGOFFIN.

2. European History (General History).

From the decline of the Roman Empire to the nineteenth century, dealing with the Romano-Barbarian kingdoms, the empire of Charles the Great, feudalism, the crusades, empire and papacy, renaissance, the Protestant revolution, the religious wars, eighteenth century states and the doctrine of the balance of power, the French Revolution, the Napoleonic period, and the reorganization of Europe in the nineteenth century.

Three hours weekly, through the year. Professor C. M. ANDREWS.

3. English History.

Chiefly constitutional and political, dealing with the origins and development of parliamentary institutions, the relations of England with continental Europe, and the modern expansion of the British Empire. Open to students who have had, or are taking, History 2 or Political Economy 1.

Three hours weekly, through the year. Professor VINCENT.

4. American History.

Colonial history and institutions, the formation of the Union, the development of constitutional government and law, the growth of foreign policy, the expansion of the nation. Emphasis will be laid on the national period, and the subject will be brought to the close of the nineteenth century. Open to students who have had History 2 and 3 or Political Economy 1.

Three hours weekly, through the year. Associate Professor BALLAGH.

The History courses begin in the second year of the college work. Students in Group III will at that time begin with course 1, and in the third year will be expected to take both 2 and 3. Course 4 completes the plan of instruction in History, and students of Group III who have had courses 2 and 3 are advised to take this in the fourth year.

Political Economy

GRADUATE COURSES

The graduate instruction in Political Economy is designed primarily to meet the needs of advanced students preparing for a professional career in economic science. The courses afford systematic instruction in general economic principles, intimate acquaintance with special fields of economic activity, and, most important of all, knowledge of and ability to employ sound methods of economic research. The work centres in the Economic Seminary, the membership of which is limited to the most advanced students, and the primary design of which is to develop scientific research in economic study and investigation.

Formal graduate instruction is offered in Economic Theory and in Applied Economics, by parallel courses of lectures throughout the year. The particular topics treated vary from year to year. In 1907-08 Professor Hollander lectured two hours weekly on the development of economic doctrines since Adam Smith, and two hours weekly on American commonwealth finance. During the year 1908-09 attention was given, in the course on economic theory, to economic thought before Adam Smith. In the course on applied economics, careful study was made of the theory and practice of exchange. Dr. Barnett lectured during the first half-year on the historical development of statistics, and during the second half-year on methods of statistical investigation. Special courses of lectures were given during the year by Mr. John M. Glenn, Director of the Russell Sage Foundation, on "Problems of Relief"; by Mr. Logan G. McPherson, of New York, on "Railway Transportation"; by Professor Winthrop M. Daniels, of Princeton University, on "The Nature of Competition"; by Professor Carl C. Plehn, of

the University of California, on "State Taxation in the United States."

The courses offered for 1909-10 are as follows:

1. The Economic Seminary.

Professor HOLLANDER and Associate Professor BARNETT. *Two hours weekly, through the year.*

The work of the year will continue to be a systematic study of the history, structure, and activities of labor organizations in the United States.

2. Economic Theory.

Professor HOLLANDER. *Two hours weekly, through the year.*

During the first half-year careful study will be made of the economic system of David Ricardo. During the second half-year attention will be given to tne doctrines of the French Economists.

3. Applied Economics.

Professor HOLLANDER. *Two hours weekly, through the year.*

During the first half-year the history of taxation will be traced. During the second half-year recent fiscal experiments in the United States will be examined.

4. Labor Legislation.

Associate Professor BARNETT. *One hour weekly, through the year.*

During the first half-year, the development of factory legislation and systems of workingmen's insurance will be considered. During the second half-year, the legal position of trade unions will be treated.

Special courses of lectures will be given by non-resident lecturers upon such practical economic problems as charities and correction, railway transportation, industrial organization.

A reading class is organized yearly by the more advanced students of the department for the co-operative study of economic texts and for the critical discussion of current economic literature.

In co-operation with the departments of history and political science, opportunity is offered in the Historical and Political Science Association for the presentation and discussion of original papers in economic science by instructors and invited speakers, and for the review by students of current publications of importance in these fields.

UNDERGRADUATE COURSES

1. (*a*) Economic History.

The economic development of England from the tenth century to the present time and the most important experiences of the United States are studied.

Three hours weekly, first half-year. Associate Professor BARNETT.

(*b*) Elements of Economics.

Particular attention is given to the theory of distribution and its application to leading economic problems.

Three hours weekly, second half-year. Associate Professor BARNETT.

2. (*a*) Finance.

The theory and practice of finance are considered, with particular reference to problems of taxation as presented in the experience of the United States.

Three hours weekly, first half-year. Professor HOLLANDER.

(*b*) Money and Banking.

The principles of monetary science are taught with reference to practical conditions in modern systems of currency, banking, and credit.

Three hours weekly, second half-year. Professor HOLLANDER.

3. (*a*) Statistical Methods.

After a preliminary study of the value and place of statistics as an instrument of investigation, attention is directed to the chief methods used in statistical inquiry.

Three hours weekly, first half-year. Associate Professor BARNETT.

(*b*) Economic Institutions.

Labor unions, corporations, and trusts are studied primarily as elements in the organization of industry.

Three hours weekly, second half-year. Associate Professor BARNETT.

Note. Course 2 is open only to such students as have completed course 1; and, save under exceptional circumstances, course 3 only to students who have completed 1 and 2.

Political Science

Graduate Courses

The graduate work in Political Science has for its aim the preparation of advanced students for professional and original work in the fields of Constitutional Law, International Law and Diplomacy, and Political Philosophy. It seeks also to supply the necessary training for those desiring to enter the higher branches of the public service, and to furnish a broad and philosophical equipment to those who expect later to pursue the study and practice of the law.

Seminary

In addition to the Historical and Political Science Association, at which the students of the departments of History, Economics, and Political Science meet jointly for the presentation of papers by the instructors and by invited speakers, a fortnightly Seminary is conducted by Professor Willoughby, at which reports upon special subjects are read by the students and discussed.

Journal Club

A weekly meeting of the advanced students, under the direction of Professor Willoughby, is held for the discussion of current political literature—books and periodicals.

Lectures

The lectures are so arranged as to give three or more years of continuous instruction, covering the following subjects: The Theory of the State (being a general introduction to the study of Constitutional and International Law), Foreign Constitutional Law, United States Constitutional Law, the Legal Aspects of Economic and Industrial Problems, the History of Political Theories and of Political Literature, and Historical Jurisprudence.

During the year 1909-10 the following courses will be given:

1 United States Constitutional Law. Professor WILLOUGHBY.

Two hours weekly, through the year.

The lectures extend over three years. In this course, the first of the series, the general nature of the American constitutional system, the relations between the Federal and State Governments, and between the States will be discussed.

2. Political Theories and Political Literature in England since 1688. Professor WILLOUGHBY.

One hour weekly, first half-year.

3. Political Theories and Political Literature in France since 1750. Professor WILLOUGHBY.

One hour weekly, second half-year.

4. Historical Development of the English Law. Dr. STEINER.

One hour weekly, through the year.

This course is a continuation of the one given in 1908-09, and will deal with the development of the substantive principle of the Common Law.

5. Dr. Dodd will give a course of lectures dealing with Municipal Government.

Undergraduate instruction in Political Science is given in the departments of History and Economics.

PHILOSOPHY AND PSYCHOLOGY

GRADUATE COURSES

The graduate work of the department takes different directions according as the chief interest of the student lies in the field of Philosophy proper, in Experimental and Comparative Psychology, or in Education. In each great subject the work is planned to cover three years. The arrangement by years is mainly for convenience; it is not of the nature of a curriculum. The courses are offered

to stimulate the student in the work of investigation. Whether, or when, the student shall take the degree of Doctor of Philosophy depends upon his success in the prosecution of a piece of research.

In Philosophy proper, the first year offers courses in General Psychology, Social Psychology and Philosophy, Theory of Evolution, and Genetic Psychology—these topics being the necessary foundation for the more detailed work of later years. In Psychology, a training course in Experimental and Comparative Psychology is added. Students specializing in Education take courses in the different branches of Psychology, in Evolution, and in the History of Philosophy and of Education.

In the second year, more special work of research is carried on. In Philosophy, the Theory of Knowledge becomes the central topic; History of Philosophy and Ethics are given; and a variety of special topics is presented. Under Psychology, the research courses in the laboratory are central, the Theory of Knowledge is associated with it, and again a variety of special topics allows choice of subjects allied to the main problem of the particular student. With Education,—Psychology, Philosophy, and Ethics are always associated.

In the third year, the seminary and laboratory courses are the centre of all the work done, the student being expected to give most of his time to the topic of his dissertation. The professors devote themselves to the direction of the student's investigation.

I. Graduate Conference. A conference composed of all the instructors and advanced students meets once a week. Papers are read, and reports on the progress of work, reviews of books, etc., are presented for general information and criticism.

II. Theory of Experience. Seminary course on the more logical and philosophical aspects of knowledge in its

relation to experience as a whole, summarizing the theory of Genetic Logic.

Professor BUCHNER and Dr. FURRY. *Two hours a week, through the year.*

III. *a.* Aspects of the Pragmatic Movement of Modern Philosophy.

Professor JOHN DEWEY (of Columbia University). *Six lectures, beginning January* 31.

b. Present Problems in Metaphysics and the Theory of Knowledge.

Professor JAMES H. TUFTS (of the University of Chicago). *Ten lectures, beginning March* 10.

IV. The Philosophy of Kant: The Critique of Pure Reason (Max Müller's translation), the Critique of Practical Reason (Abbott's Kant's Ethics).

Professor GRIFFIN. *One hour a week, through the year.*

V. English Ethics from Price to Spencer.

Professor GRIFFIN. *One hour a week through the year.*

VI. History of Educational Theory (Seminary Course).

Professor BUCHNER. *Two hours a week through the year.*

VII. Hegel and the Hegelians.

Professor BUCHNER. *One hour a week, through the year.*

VIII. Readings in German Philosophy: Hegel's *Phänomenologie des Geistes.*

Professor BUCHNER. *One hour a week through the year.*

IX. Educational Psychology.

Professor BUCHNER. *One hour a week, through the year.*

X. Introduction to Experimental and Comparative Psychology.

Professor WATSON and Dr. DUNLAP. *Lectures and laboratory exercises, Monday, Tuesday, and Wednesday, 2 to 4 p. m.*

This course, consisting of lectures, demonstrations, and laboratory exercises, is designed to serve both as a training course and as a general introduction to the problems and methods of experimental and comparative psychology.

XI. Experimental Psychology. Advanced course, designed to afford students further training in experimental technique; research problems to be assigned early in the course.

Professor WATSON and Dr. DUNLAP. *Two hours a week, through the year (laboratory hours to be arranged).*

XII. Comparative Psychology. Research course, covering the field of animal behavior. Research problems assigned to individuals.

Professor WATSON and Dr. DUNLAP. *Two hours a week, through the year (laboratory hours to be arranged).*

XIII. Theory of Color Vision.

Dr. C. L. FRANKLIN. *One hour a week, first half-year.*

XIV. Symbolic Logic.

Dr. C. L. FRANKLIN. *One hour a week, second half-year.*

XV. The Psychology of Space and Time Perception.

Dr. DUNLAP. *Two hours a week, first half-year.*

XVI. Attention and Feeling from the Experimental Standpoint.

Dr. DUNLAP. *Two hours a week, second half-year.*

XVII. Introduction to Genetic Logic, with emphasis on the Semblant Mode of Construction as basis of Aesthetics.

Dr. FURRY. *One hour a week, first half-year.*

XVIII. Representative Systems of Aesthetics.

Dr. FURRY. *One hour a week, second half-year.*

UNDERGRADUATE COURSES

1. *a.* Deductive and Inductive Logic.

Creighton's Introductory Logic is used as a text-book, with references to the works of Jevons, Mill, Bain, Keynes, and other writers.

Professor GRIFFIN. *Three hours weekly, until Christmas.*

b. Psychology.

Text-books liable to change from year to year are made the basis of instruction, but the subject is presented largely through informal lectures and discussions, and by means of passages in various authors assigned for reading. A series of lectures and demonstrations on physiological and experimental psychology is included in the course. One essay on an assigned subject is required from each member of the class.

Professor WATSON. *Four hours weekly, January to April.*

c. Ethics.

The subject is taught by lectures, recitations from a text-book—Mackenzie's Manual of Ethics being used at present,—and references to the works of the most important writers.

Professor GRIFFIN. *Three hours weekly, after April* 1.

2. Outlines of the History of Philosophy.

Rogers's Student's History of Philosophy, Weber's History of Philosophy, and other works of reference, are used as the basis of lectures, discussions, and recitations.

Professor GRIFFIN. *Two hours weekly, through the year.*

A third hour, for readings from the works of leading philosophers, may be taken.

All candidates for the degree of Bachelor of Arts are required to follow course 1 during the last year of residence.

DRAWING

1. Freehand Drawing.

The instruction aims to impart such knowledge of the principles of drawing as shall best serve to educate the eye and train the hand. Students looking forward to teaching or to the study of medicine or biology will find this course of value in the illustration of lectures and laboratory work.

Three hours weekly, through the year. Mr. WHITEMAN.

2. Mechanical Drawing.

The work of this course is arranged to meet the requirements of students who intend to make a special study of engineering.

Three hours weekly, through the year. Mr. WHITEMAN.

PUBLIC SPEAKING AND DEBATE

A course in reading and platform speaking is required of undergraduate students in their second year. For the sake of convenience in instruction, the class is divided into several small sections, to each of which is devoted one hour a week. A course in debating, which involves the study of parliamentary law, the collection and arrangement of material, and frequent practice in debate under the direction of an instructor, is assigned to students in their third year. The work of the two years is counted as a half-course. During the fourth year opportunity for a more detailed study of the art of debate

and for practice in argumentative composition is open to those who desire it. Prize contests in public speaking and in debate are held annually, and one intercollegiate debate is, as a rule, undertaken each year.

Physical Training and Athletics

The authorities of the university, recognizing the importance of systematic physical exercise under suitable advice, have placed the gymnasium in charge of Dr. Ronald T. Abercrombie, and have put the work of this department on a parity with the work done in the regular courses of study.

A careful physical and medical examination is made of each undergraduate, and such exercises are prescribed as are best suited to his needs. During his first year of residence, he is required to follow the prescribed gymnasium course, which includes also his attendance on a course in hygiene. Regular class instruction is given every afternoon from five to six o'clock. The use of the gymnasium is optional in the case of graduate students; it is offered to all members of the university upon payment of the ordinary locker fee.

The gymnasium—127 feet long by 35 feet wide—is provided with convenient lockers, baths, etc., as well as with the newest forms of apparatus. Adjoining the gymnasium proper is a "cage"—an enclosed and covered space for practice in running and in athletic sports—127 feet long, 66 feet wide, and 30 feet high.

"Hopkins Field," the athletic ground at Homewood, is now in use by the students. In its construction special attention was paid to the problem of drainage, and in this respect the field is well-nigh perfect. It is enclosed by one of the best quarter-mile cinder tracks in the country, with a 220-yard "straightaway." A club-house provides dressing rooms, lockers, and shower baths. A stand

built of ferro-concrete and accomm
hundred spectators has been erected

In order to prevent ill-advised
door sports, and to guard agains
training, the athletic teams of the
the control of the director of the gy
rs allowed to become a member of a
cal condition is satisfactory and l
to the prescribed standard; and no
be a member of, or a candidate for,
is seriously deficient in his studies.

THE DEGREE OF MASTER OF ARTS

The degree of Master of Arts is offered to students who have obtained the baccalaureate degree from a college of good standing, have then followed courses of university study under proper guidance for at least two years, and have satisfied the requirements mentioned below.*

The Board of University Studies reserves the right to decide in each case whether the preliminary training has been satisfactory, and, if any of the years of graduate work have been passed by the candidate away from this University, whether they may be considered as spent in accordance with these regulations.

At least one academic year must be passed in this University, and in every case this must be the one immediately preceding the final examinations, unless special permission to the contrary is granted by the Board of University Studies for some extraordinary reason.

The candidate for the degree must make formal application to the Board of University Studies at least one academic year before he expects to present himself for his final examinations. In this application he must state the subject which it is his intention to pursue as his principal study, and in his choice of additional subjects he must be guided by the advice of the professor in charge of his principal work.

In order to obtain the degree the candidate must satisfy two requirements:

1. He must prepare an essay upon a subject approved by the Board of University Studies. This must be completed and submitted to the Board at least four weeks before the time of the final examinations. Two referees will then be designated who shall present to the Board a

*It is understood that the University work for one of these years may be distributed through two or more years, in cases where the student can devote only a part of his time to study.

written report. This essay shall be prepared for presentation to the Board in the manner prescribed for the dissertations submitted for the degree of Doctor of Philosophy.

2. If the report on the essay is satisfactory, the candidate will then be admitted to the final written examinations.

The candidate is, however, permitted to take at the end of any academic year (or at the beginning of the next) examinations on the subjects followed during that year. In case these are passed in a satisfactory manner, he will not be examined further in them. Reports of these examinations shall be made to the Board of University Studies.

The names of the candidates found worthy of the degree will be submitted to the Board of Trustees, and with their approbation the degree will be publicly conferred.

THE DEGREE OF DOCTOR OF PHILOSOPHY

The degree of Doctor of Philosophy is offered to students who, after obtaining the baccalaureate degree from a college of good standing, have followed courses of university study under proper guidance and without serious distractions for at least three years, and have satisfied the requirements mentioned below.

The Board of University Studies reserves the right to decide in each case whether the preliminary training has been satisfactory, and which, if any, years of graduate work not spent in this University are to be considered as spent in accordance with these regulations.

At least one academic year must be passed in this University, and, except in extraordinary cases, the one preceding the final examinations.

PRINCIPAL AND SUBORDINATE SUBJECTS

To become a candidate for the degree the student must select a subject on which he intends to concentrate his efforts and must place himself under the guidance of the professor of this subject. This is called his "principal" study. With the advice of the professor and subject to the approval of the Board of University Studies, the student must choose two other studies, known as "subordinate" subjects, which he must follow. These are called the "first subordinate" and the "second subordinate," and the two should represent one year's work, two-thirds of this being devoted to the former. Additional information concerning the selection of these subjects is given on pages 225-232.

ACCEPTANCE OF THE CANDIDATE

A student who wishes to be considered a candidate for the degree must make written application to the Board of University Studies, upon a form provided for this purpose, at least one academic year before he expects to present himself for his final examinations.* Before this application can be accepted, he must satisfy the University examiners that he is able to translate at sight French and German journals and monographs relating to his principal subject.

REQUIREMENTS FOR THE DEGREE

Certain examinations, as outlined below, must be passed by the candidate, in order to obtain the degree; but the distinctive requirement is the presentation of evidence that the candidate has carried to successful completion an original investigation in his principal subject upon a theme approved by his chief professor. The results of this investigation must be embodied in a dissertation, and submitted to the Board of University Studies.

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*A student who has been admitted as a candidate for the degree of Doctor of Philosophy, will be considered to have satisfied the requirements for admission to courses leading to the degree of Master of Arts.

REGULATIONS CONCERNING THE DISSERTATION

a. The dissertation must be prepared for presentation to the Board of University Studies in accordance with instructions to be obtained from the Registrar, and to every such dissertation must be appended a brief biographical sketch of the author. It must be submitted to the Board at least four weeks before the examinations in the principal subject.

b. The Board shall designate two or more referees, who shall make a written report on the dissertation.

REGULATIONS CONCERNING THE EXAMINATIONS†

a. The candidate shall be subjected to written examinations in his principal subject, and, whenever practicable, in both his subordinate subjects. The results of the examinations shall be reported in writing to the Board of University Studies; and, if these reports and the report on the dissertation are satisfactory, the candidate shall be admitted to an oral examination in his principal and first subordinate subjects before the Board, or a section of it.

b. The written examinations in the subordinate subjects may be taken at any time during the candidate's residence at the University, subject to the judgment of the examiners.

c. In the written examinations no session shall exceed five hours. In the oral examinations before the Board, the time allotted shall be one hour; and three-quarters of this shall be devoted to the principal subject.

OTHER REGULATIONS

Before the candidate is admitted to the oral examination he must signify his intention, in the event of his

†If a student who has absolved the examinations required for the degree of Master of Arts in this University, becomes a candidate for the degree of Doctor of Philosophy, he may, at the discretion of the professors, be excused from any further written examinations in the particular courses in which he has already passed.

receiving the degree, to print his dissertation in full or in part, and to satisfy the requirements specified below.

If the dissertation is not printed in full, an abstract must be prepared or a portion selected with the approval of the professor, which shall contain when printed not less than twenty-four octavo pages.

One hundred and fifty printed copies of the dissertation must be presented to the University within one year of the time when the degree is conferred. These must have the prescribed title page and must contain the biographical sketch.

The candidate is advised to have these printed copies ready for presentation before the date for the conferring of the degree; otherwise a deposit of $50.00 with the Treasurer of the University must be made. This deposit is returned when the printed copies are presented to the University. If these have not been received within the year specified, the Board of University Studies may declare the deposit forfeited and may apply the amount in printing the dissertation or a part of it.

CONFERRING OF THE DEGREE

The names of the candidates found worthy of the degree will be submitted to the Board of Trustees, and with their approbation the degree will be publicly conferred.

Choice of Subordinate Subjects

The following suggestions are not to be understood as limiting the attention of the student to the subjects directly connected with the requirements for the degree. In order to secure the full benefit of university training, it is often desirable to broaden the outlook through acquaintance with other subjects—especially those that are conterminous with the chosen field of study. It is also important to learn to appreciate the methods and to come under the influence of other personalities than those that dominate the student's special line of work.

In the choice of subordinate subjects to be associated with a principal one, considerable freedom is permitted

by the Board of University Studies. Certain combinations have been recognized officially in previous years, and others are admissible.

In the study of any principal subject the knowledge of a limited number of other subjects is, as a rule, essential. If, on entrance, the student is not sufficiently proficient in these, he must follow courses in this university which will give him the requisite knowledge. These courses need not, however, of necessity be offered as first and second subordinates.

In order to guide the student in his selection of subordinate studies, a number of statements are given below in tabular form, which apply to the various departments of study in this university. These statements furnish—

I. In case the student selects a given subject as his principal one—

a. A list of the other subjects an adequate knowledge of which is considered essential.

b. A list of subjects which, in the past, have been accepted as first or second subordinates in connection with the principal subject.

II. In case the student selects a given subject as his subordinate one—

A list of the courses in that department, which are ordinarily considered sufficient.

Mathematics

I. *a.* While no other subject can be said to be essential to the study of mathematics, it is very desirable that one taking up graduate work should have adequate knowledge of natural sciences, particularly of physics.

b. Physics, Geological Physics, Electricity, Astronomy, History of Philosophy, Psychology.

II. Two or more of the following: Elementary Differential Equations, Theory of Functions, Vector Analysis, Dynamics.

Physics

I. *a.* Chemistry and Mathematics.

b. Chemistry, Physical Chemistry, Mathematics, Astronomy, Applied Electricity, Geological Physics.

II. Physics 1, 2, or 3, with corresponding laboratory courses, Advanced General Physics, Applied Electricity.

Astronomy

II. Celestial Mechanics, Cosmical Physics, with observatory work.

Chemistry

I. *a.* Mathematics (through the Calculus), General Physics, Mineralogy, Physical Chemistry.

b. Mathematics, Physics, Mineralogy, Geology, Physical Chemistry, Biology 1.

II. Chemistry 2 or 3, Physical Chemistry, with corresponding laboratory courses.

Geology

I. *a.* Students who take Geology as their principal subject, are allowed to select courses suitable as a training for general geology and teaching, or those which lead to specialization in Paleontology, Stratigraphic Geology, Petrography, Mineralogy, or Geological Physics. All students are expected to be familiar with the matter given in the elementary or undergraduate courses.

b. (1) Biology, (2) Chemistry, (3) Physics, (4) Petrography, (5) Mineralogy, (6) Paleontology.

Nos. 1-3 may be taken as second subordinates by all students in Geology.

Nos. 4-5 may be taken as a first subordinate by students specializing in Paleontology or Stratigraphic Geology, who are advised to take Biology or Physics as a second subordinate.

No. 6 may be taken as a first subordinate by students specializing in Petrography or Mineralogy, who are advised to take chemistry or physics as a second subordinate.

II. For students in Physics: Geological Physics, Exploratory Surveying, Crystallography—Optical Mineralogy (Geology 1 in part, Advanced Mineralogy in part).

For students in Chemistry: Geology 3 and Economic Geology, Geology 1, Advanced Mineralogy.

For students in Biology: Geology 1 or 2, Paleontology and Paleobotany, Historical Geology.

Zoology

I. *a.* Two or more of the following: Chemistry Physics, Botany, Geology, Physiology, Psychology.

b. Botany, Physiology, Geology, Anatomy, Pathology.

II. Biology 1, Biology 2 (Part 1), Biology 3 (Part 1), a graduate course.

Botany

I. *a.* Physics, Chemistry, General Biology, Zoology

b. Zoology, Physical or Organic Chemistry, Geology, Physiology, Pathology.

II. An undergraduate course, with laboratory work one of the graduate courses.

Physiology

I. *a.* Physics, Chemistry, and Biology.

b. Zoology, Botany, Physics, Chemistry, Physiological Chemistry.

II. Course 4, as on page 180.

Greek

I. *a.* Latin and English (language and literature).

b. Latin, Comparative Grammar, Sanskrit, English, Semitic, Classical Archæology, Philosophy.

II. Prescribed courses of reading in the chief ranges of Classical Greek literature of greater or less extent for first or second subordinate. Two courses of practical exercises for the first subordinate, one course for the second. Attendance on the Seminary for two years for the first subordinate, one year for the second.

Latin

I. *a.* Greek and English (language and literature).

b. Greek, Sanskrit and Comparative Philology, Classical Archæology (Greek and Roman), English, a Romance language, a Semitic language, History.

II. Attendance on the Seminary and lectures during two years for the first subordinate subject, one year for the second, in both cases with prescribed courses of reading in Roman literature.

Those who make Latin their principal subject must take Greek as one of their subordinate subjects. They must also follow the regular courses in Latin Epigraphy and Palæography, as well as in the Comparative Grammar of the Indo-European languages.

Classical Archaeology

I. *a.* Latin and Greek.

b. Latin, Greek, History, Sanskrit and Comparative Philology, Italian or another Romance language.

II. Five hours weekly for two years for the first subordinate; five hours weekly for one year for the second. Prescribed courses of reading.

Those who make Classical Archæology a principal subject are urged to plan for at least a year of residence in Europe, preferably in the American School of Classical Studies at Athens or in the American School of Classical Studies in Rome. For advanced students of Roman Archæology, a reading knowledge of Italian is indispensable.

Sanskrit and Comparative Philology

I. *a.* Classical or Modern Philology, History, Philosophy.

b. Greek, Latin, Germanic Philology, English, Semitic Philology, Philosophy.

II. For the first subordinate subject, a course in Sanskrit, two lectures a week during two years, and attendance on the Vedic Seminary for a half-year, one hour a week; for the second subordinate subject, a course in Sanskrit, two hours a week during a year and a half.

In no case has a student whose principal subject was Sanskrit and Comparative Philology restricted himself to two subordinate

subjects. As a rule Avestan, Lithuanian, Gothic, English, an other subjects figured among his courses, in addition to the prin cipal and the two subordinate subjects.

Oriental Seminary

I. *a.* For Hebrew as the principal subject—German Greek, Latin, Arabic, History of the Ancient East, Bib lical Antiquities, Geography of Western Asia.

b. Assyrian, Arabic, Syriac, or Ethiopic, as th first or second subordinate subject; Egyptology, Histor of the Ancient East, History of Philosophy, Greek, San skrit, Philippine languages, as the second subordinate.

II. For Hebrew as first subordinate—Comparativ Hebrew Grammar, Hebrew Prose Composition, Old Te tament Seminary.

For Hebrew as second subordinate—the second year' course in Hebrew and private reading of at least fift chapters of the Hebrew Bible.

English

I. *a.* Gothic, Old High German, Middle High Ger man, Old Norse, Old French, German and French Litera ture.

b. German, French, Italian, Spanish, Greek, Latin Sanskrit, History, Philosophy.

II. Courses in the history of the Language and th Literature, and some special work in selected periods o subjects.

German

I. *a.* English, French, Latin.

b. English, French, Latin, Sanskrit, Spanish, Greek, History of Philosophy, History.

II. German as second subordinate—Courses 1, 2, 5, Seminary in Middle High German, one year's member ship in the Germanic Society (or a similar amount of work in German Literature).

German as first subordinate—a combination of the two alternatives indicated above; two years' membership in the Germanic Society.

Romance Languages

I. *a.* Latin; a reading knowledge of Spanish, or of Italian, if either of these is chosen as the principal subject; an elementary acquaintance with French, Spanish, or Italian history, according to selection of subject.

b. Sanskrit, Greek, Latin, German, English, History, Philosophy.

II. For the first subordinate, Literature (old and modern), Language (old and modern), Physiological Phonetics, Popular Latin, Private Reading.

For the second subordinate, Literature (modern), Language (modern), Private Reading.

History

I. *a.* Political Economy, Political Science, Latin, French, German.

b. Political Economy, Political Science, Philosophy, English, French.

II. For the second subordinate, lectures, with collateral research, two hours a week for two years, either in European, English, or American history; for first subordinate, four hours a week for two years, with choice in the same subjects.

Political Economy.

I. *a.* History and Political Science.

b. History, Political Science, Philosophy, English, Mathematics, Biology.

II. For the first subordinate, two graduate courses for two years, with prescribed reading; for the second subordinate, two graduate courses for one year, with prescribed reading.

Political Science

I. *a.* History, Political Economy, and the Principles of Private Law.

b. History, Political Economy, Philosophy, the Principles of Private Law.

II. Two hours' lecture work, with collateral reading, for two years, for the second subordinate; four hours' work for two years for the first subordinate.

Philosophy

The choice of subordinate subjects is made in consultation with the professors. The different branches of the department—Philosophy, Scientific Psychology, and Education—do not lend themselves to a single scheme of subordinate subjects, since wide variations arise in individual cases.

COLLEGIATE INSTRUCTION

The Johns Hopkins University makes ample provision for collegiate instruction. The courses offered to undergraduates are maintained with no less care and thoroughness than those intended for advanced students; many of the most experienced members of the academic staff cooperate in the conduct of them. No small part of the influence and usefulness of the university is in connection with the collegiate classes, in which, since 1876, more than two thousand students have been enrolled.

Certain features of organization and administration have contributed to the effectiveness of the undergraduate work. The scrupulous observance of the distinction between the disciplinary methods appropriate to college teaching and the freer methods of advanced instruction; the "group" arrangement of studies, combining a reasonable liberty of choice with a sufficient exercise of authority; the facilities afforded young men of superior capacity for carrying their studies beyond the requirements of graduation; the influence upon younger pupils of the presence of a large body of graduate scholars conducting investigations in all the great departments of learning,—these conditions have proved favorable to the development of earnestness and scholarly devotion.

Arrangement of Courses

Upon admission to the university, an undergradua student is assigned to an Adviser (see page 247), a under his guidance is expected to select a scheme studies composed of courses more or less connected. order to help the student in this selection, five groups studies are organized, details concerning which are giv below. Having once made a choice, a student may n change his group, except with the consent of his Advis and with the approval of the Executive Committee of t Board of Collegiate Studies.

In the formation of the groups it is intended to co bine such studies as shall give the student the essenti elements of a liberal education, and, at the same tim special training in certain coordinate subjects. By th method the student is not bound to a particular routi of work for which he may feel no especial inclination, n yet is it possible for him to waste his time and attentio by the injudicious selection of wholly unrelated subject In each group certain studies are prescribed for all st dents who are candidates for a degree, and certain oth studies are peculiar to the individual group.

By reference to the detailed statement of each grou given on pages 237-241, it will be seen that the courses c the first two years are prescribed, but that in each of th last two years there are but one or two prescribed studie In each of these last two years, therefore, a student ma subject to the provisions already noted, elect four course With the approval of his Adviser he may select an courses which he is prepared to enter.

The following is a general statement of the characte istic features of each group:

Group I. Ancient Languages

In Group I the emphasis is laid upon Latin and Greek each of which is studied for at least two years. In th

last two years the courses are so arranged that the student may continue the study of these languages; or, if he desires, he may devote himself to the study of History, Modern Languages, or Science.

Group II. Modern Languages

In Group II the study of Latin is continued for two years, but the literary training of the student is based chiefly on the study of English, French, and German, with Spanish and Italian if desired. In the later years, the courses are arranged so as to permit the student to continue the study of Modern Languages, or to give his attention to History or Science.

Group III. History and Political Economy

In Group III the study of Latin is continued as in Groups I and II, but the student devotes the greater part of his time to History and Political Economy. He may continue these studies during the last two years, or he may take advanced courses in Latin, Modern Languages, or Science.

Group IV. Mathematics and Physics

In Group IV the training of the student is based upon the study of the exact sciences rather than upon language and history. Mathematics and Physics are studied for at least two years, and the student may also follow courses in Chemistry, Biology, or Geology. In the last two years the student may continue the former studies, or he may take advanced courses in Modern Languages and History.

Group V. Chemistry, Biology, and Geology

In Group V the natural sciences form the basis of instruction, being supplemented by the prescribed courses in Modern Languages, History or Political Economy, and

Mathematics. In the later years the student may
tinue the study of Science, or he may devote his at
tion to Modern Languages or History.

Students who intend to enter the medical departn
of this university, should choose Group V, and should
range to pursue the following courses: English, Fre
and German, each for two years; Mathematics, for
years; Chemistry, for three years; Biology and Phy
each for one year. Other prescribed courses are His
or Economics for one year, and Philosophy for one y
These students are advised by the Medical Faculty to
range their work so that their last year shall incl
courses in Chemistry and Biology, and, if possibl
course in the Chemistry of the Carbon Compounds.

These courses may be arranged as follows:—*F*
year: Chemistry 1, French 1 or German 1, English C
position 1, Mathematics 1, Physical Training. *Sec*
year: English Literature 1, German 1 or French
Mathematics 2, Chemistry 2, Vocal Training, and a l
course to be elected. *Third year:* Physics 1, with la
atory, General History (History 2) or Political Econo
French 2 or German 2, Biology 1, Forensics. *Fou*
year: Philosophy, German 2 or French 2, Chemistr
Biology 2.

It should be noted that, in order to enter the med
department, the degree of Bachelor of Arts is requi
and, further, that the conditions for this degree, as sta
on pages 245, 246, prescribe at least three courses in
definite subject.

GROUP I. ANCIENT LANGUAGES

First Year

PRESCRIBED SUBJECTS

LATIN 1. *Four hours weekly.*
Livy; Terence; Catullus.
Prose Composition.
Private Reading: Cicero; Plautus.

GREEK 1. *Four hours weekly.*
Xenophon; Plato; Herodotus.
Prose Composition.
Private Reading: Plato, *Crito;* Homer, *Odyssey,* two books.

PHYSICAL TRAINING.

ENGLISH COMPOSITION 1. *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in writing.

MATHEMATICS 1.* *Three hours weekly first half-year.*
Solid Geometry.
Advanced Algebra.

NATURAL HISTORY. *Three hours weekly and laboratory, second half-year.*
Zoology. Botany.

Second Year

PRESCRIBED SUBJECTS

LATIN 2. *Three hours weekly.*
Tacitus; Horace.
Private Reading: Tacitus; Horace.

GREEK 2. *Three hours weekly.*
Lysias; Andocides; Euripides.
Prose Composition.
Private Reading: Xenophon, *Hellenica,* book 1; Euripides, *Cyclops.*

VOCAL TRAINING. *Weekly.*

ENGLISH LITERATURE 1. *Three hours weekly.*
Outline History to 1600.
Chaucer; Spenser; Shakespeare.
Private Reading.

GENERAL HISTORY (History 2). *Three hours weekly.*

FRENCH *or* GERMAN ELEMENTS. *Four hours weekly.*
Essentials of Grammar.
Translation and Composition.

Third Year

PRESCRIBED SUBJECTS

PHYSICS 1. *Three hours weekly; lectures and laboratory work.*
Elementary Mechanics.
Heat. Sound. Light.
Electricity. Magnetism.

GERMAN *or* FRENCH ELEMENTS. *Four hours weekly.*
(As in second year.)

FORENSICS. *Weekly.*

SUBJECTS ADVISED

LATIN 3. *Three hours weekly.*
Lucretius; Vergil.
Roman Literature.
Private Reading: Cicero; Quintilian.

GREEK 3. *Three hours weekly.*
Plato; Lyric Poets; Sophocles.
Survey of Greek Literature.
Prose Composition.
Private Reading: Elegiac and Iambic Poets; Aeschylus.

ELECTIVE COURSE.† *Three hours weekly.*

Fourth Year

PRESCRIBED SUBJECT

PHILOSOPHY. *Three hours weekly (four hours, January to April).*
Logic.
Psychology.
Ethics.

SUBJECTS ADVISED

LATIN 4. *Three hours weekly.*
Petronius; Apuleius; Juvenal.
Private Life of the Romans.
Private Reading: Martial; Pliny; Roman Elegy.

GREEK 4. *Three hours weekly.*
Thucydides; Lucian; Aristophanes.
Greek Life.
Private Reading: Demosthenes; Aristophanes.

TWO ELECTIVE COURSES.† *Six hours weekly.*

*Those who absolve this course by special examination at entrance, may follow Natural History through the year.

†For courses which may be taken as electives, see page 242.

GROUP II. MODERN LANGUAGES

First Year

PRESCRIBED SUBJECTS.

LATIN 1. *Four hours weekly.*
Livy; Terence; Catullus.
Prose Composition.
Private Reading: Cicero; Plautus.

FRENCH 1 *or* GERMAN 1.** *Four hours weekly.*
Modern Prose.
Composition.
Private Reading.

PHYSICAL TRAINING.

ENGLISH COMPOSITION 1. *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

MATHEMATICS 1.* *Three hours weekly, first half-year.*
Solid Geometry.
Advanced Algebra.

NATURAL HISTORY. *Three hours weekly and laboratory, second half-year.*
Zoology. Botany.

Second Year

PRESCRIBED SUBJECTS

LATIN 2. *Three hours weekly.*
Tacitus; Horace.
Private Reading: Tacitus; Horace.

FRENCH 2. *Three hours weekly.*
The Nineteenth Century.
Selected Classics.
Literature. Composition.
Private Reading.
Or

GERMAN 2. *Three hours weekly.*
Classical Authors.
Schiller; Goethe.
Composition.
Private Reading.

VOCAL TRAINING. *Weekly.*

ENGLISH LITERATURE 1. *Three hours weekly.*
Outline History to 1600.
Chaucer; Spenser; Shakespeare.
Private Reading.

GENERAL HISTORY (History 2). *Three hours weekly.*

GERMAN 1 *or* FRENCH 1.* *Four hours weekly.*
(As in first year.)

Third Year

PRESCRIBED SUBJECTS

PHYSICS 1. *Three hours weekly; lectures and laboratory.*
Elementary Mechanics.
Sound. Heat. Light.
Electricity. Magnetism.

GERMAN 2 *or* FRENCH 2. *Three hours weekly.*
(As in second year.)

FORENSICS. *Weekly.*

SUBJECTS ADVISED (THREE TO BE CHOSEN)

FRENCH 3 AND 5. *Three hours weekly.*
Development of the Drama.
Advanced Composition

GERMAN 3. *Three hours weekly.*
Goethe's *Faust.*
History of Literature; Lyrics and Ballads.
Or

GERMAN 4. *Three hours weekly.*
Contemporary Literature.

ENGLISH LITERATURE 5. *Three hours weekly.*

ITALIAN 1 *or* SPANISH 1. *Three hours weekly.*
Essentials of Grammar.
Translation; Composition.

LATIN 3. *Three hours weekly.*
Lucretius; Vergil.
Roman Literature.
Private Reading: Cicero; Quintilian.

ELECTIVE COURSE.† *Three hours.*

Fourth Year

PRESCRIBED SUBJECT

PHILOSOPHY. *Three hours weekly (four hours, January to April).*
Logic.
Psychology.
Ethics.

SUBJECTS ADVISED

TWO MODERN LANGUAGES. *Six hours weekly.*

TWO ELECTIVE COURSES.† *Six hours weekly.*

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*French and German Elements (as in Group I) are prescribed in the case of students who offer Greek for matriculation.

**Those who absolve this course by special examination at entrance may follow Natural History through the year.

†For courses which may be taken as electives, see page 242.

GROUP III. HISTORY AND POLITICAL ECONOMY

First Year

PRESCRIBED SUBJECTS

LATIN 1. *Four hours weekly.*
Livy; Terence; Catullus.
Prose Composition.
Private Reading: Cicero; Plautus.

FRENCH 1 *or* GERMAN 1.* *Four hours weekly.*
Modern Prose.
Composition.
Private Reading.

PHYSICAL TRAINING.

ENGLISH COMPOSITION 1. *Three* hours weekly.
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

MATHEMATICS 1.** *Three hours weekly, first half-year.*
Solid Geometry.
Advanced Algebra.

NATURAL HISTORY. *Three hours weekly and laboratory, second half-year.*
Zoology. Botany.

Second Year

PRESCRIBED SUBJECTS

LATIN 2. *Three hours weekly.*
Tacitus; Horace.
Private Reading; Tacitus; Horace.

GERMAN 1 *or* FRENCH 1.* *Four hours weekly.*
(As in first year.)

VOCAL TRAINING. *Weekly.*

ENGLISH LITERATURE 1. *Three hours weekly.*
Outline History to 1600.
Chaucer; Spenser; Shakespeare.
Private Reading.

HISTORY 1. *Three hours weekly.*
Ancient Greece.
Ancient Rome.

POLITICAL ECONOMY 1. *Three hours weekly.*
Economic History.
Elements of Economics.

Third Year

PRESCRIBED SUBJECTS

PHYSICS 1. *Three hours weekly; lectures and laboratory.*
Elementary Mechanics.
Heat. Sound. Light.
Electricity. Magnetism.

FORENSICS. *Weekly.*

SUBJECTS ADVISED

HISTORY 2. *Three hours weekly.*
European History.

HISTORY 3. *Three hours weekly.*
English History.

POLITICAL ECONOMY 2. *Three hours weekly.*
Finance.
Economic Institutions.

ELECTIVE COURSE.† *Three hours weekly.*

Fourth Year

PRESCRIBED SUBJECTS

PHILOSOPHY. *Three hours weekly (four hours, January to April).*
Logic.
Psychology
Ethics.

SUBJECTS ADVISED

HISTORY 4. *Three hours weekly.*
American History.

POLITICAL ECONOMY 3. *Three hours weekly.*
Statistical Methods.
History of Economic Theory.

TWO ELECTIVE COURSES.† *Six hours weekly.*

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*French and German Elements (as in Group I) are prescribed in the case of students who offer Greek for matriculation.

**Those who absolve this course by special examination at entrance may follow Natural History through the year.

†For courses which may be taken as electives, see page 242.

GROUP IV. MATHEMATICS AND PHYSICS

First Year

PRESCRIBED SUBJECTS

CHEMISTRY 1. *Three lectures, six hours laboratory weekly.*
General Chemistry.

FRENCH 1 *or* GERMAN 1.* *Four hours weekly.*
Modern Prose.
Composition.
Private Reading.

PHYSICAL TRAINING.

ENGLISH COMPOSITION 1. *Thre hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

MATHEMATICS 1. *Three hours weekl*
Solid Geometry.
Advanced Algebra.
Plane Analytic Geometry.

Second Year

PRESCRIBED SUBJECTS

MATHEMATICS 2. *Three hours weekly.*
Differential and Integral Calculus.

PHYSICS 1. *Three lectures, six hours laboratory weekly.*
Elementary Mechanics.
Heat. Sound. Light.
Electricity. Magnetism.

VOCAL TRAINING. *Weekly.*

ENGLISH LITERATURE 1. *Three hou weekly.*
Outline History to 1600.
Chaucer; Spenser; Shakespear
Private Reading

GENERAL HISTORY (History 2). *Thr hours weekly.*
Or

POLITICAL ECONOMY 1. *Three hou weekly.*
Economic History.
Elements of Economics.

GERMAN 1 *or* FRENCH 1.* *Four hou weekly.*
(As in first year.)

Third Year

PRESCRIBED SUBJECTS

MATHEMATICS 3. *Three hours weekly.*
Differential and Integral Calculus.
Determinants.
Solid Analytic Geometry.
Projective Geometry.

PHYSICS 2. *Three lectures, six hours laboratory weekly.*
Elementary Mechanics.
Elementary Physical Optics.

FORENSICS. *Weekly.*

SUBJECTS ADVISED

GEOLOGY 1. *Three lectures, six hou laboratory weekly.*
Physiography.
Physical Geology.
Historical Geology.
Or

BIOLOGY 1. *Three lectures, six hou laboratory weekly.*
General Biology.
Embryology.
Or

CHEMISTRY 2. *Three lectures, s hours laboratory weekly.*
Advanced Inorganic Chemistr

ELECTIVE COURSE.† *Three hou weekly.*

Fourth Year

PRESCRIBED SUBJECT

PHILOSOPHY. *Three hours weekly (four hours, January to April).*
Logic.
Psychology.
Ethics.

SUBJECTS ADVISED

MATHEMATICS 4. *Three hours weekl*
PHYSICS 3. *Three lectures, six hou laboratory weekly.*
ELECTIVE COURSES.† (to make the requisite number of hours

*French and German Elements (as in Group I) are prescribed in t case of students who offer Greek for matriculation.

†For courses which may be taken as electives, see page 242.

GROUP V. CHEMISTRY, BIOLOGY, AND GEOLOGY‡

First Year

PRESCRIBED SUBJECTS

CHEMISTRY 1. *Three lectures, six hours laboratory weekly.*
General Chemistry.

FRENCH 1 *or* GERMAN 1.* *Four hours weekly.*
Modern Prose.
Composition.
Private Reading.

PHYSICAL TRAINING.

ENGLISH COMPOSITION 1. *Three hours weekly.*
Principles of Rhetoric.
Rhetorical Analysis.
Practice in Writing.

MATHEMATICS 1. *Three hours weekly.*
Solid Geometry.
Advanced Algebra.
Plane Analytic Geometry.

Second Year

PRESCRIBED SUBJECTS

ENGLISH LITERATURE 1. *Three hours weekly.*
Outline History to 1600.
Chaucer; Spenser; Shakespeare.
Private Reading.

GERMAN 1 *or* FRENCH 1.* *Four hours weekly.*
(As in first year.)

VOCAL TRAINING. *Weekly.*

TWO OF THE FOLLOWING

CHEMISTRY 2. *Three lectures, six hours laboratory weekly.*
Advanced Inorganic Chemistry.

BIOLOGY 1. *Three lectures, six hours laboratory weekly.*
General Biology.
Embryology.

GEOLOGY 1. *Three lectures, six hours laboratory weekly.*
Physiography.
Physical Geology.
Historical Geology.

MATHEMATICS 2. *Three hours weekly.*
Differential and Integral Calculus.

Third Year

PRESCRIBED SUBJECTS

PHYSICS 1. *Three lectures, six hours laboratory weekly.*
Elementary Mechanics.
Heat. Sound. Light.
Electricity. Magnetism.

GENERAL HISTORY (History 2). *Three hours weekly.*

Or

POLITICAL ECONOMY 1. *Three hours weekly.*
Economic History.
Elements of Economics.

FORENSICS. *Weekly.*

NOTE.—If Political Economy be chosen, Biology 1 (see second year) may be taken in this year.

SUBJECTS ADVISED

CHEMISTRY 2. *Three lectures, six hours laboratory weekly.*
(As in second year.)

Or

CHEMISTRY 3. *Three lectures, six hours laboratory weekly.*
Chemistry of Carbon Compounds.

Or

BIOLOGY 2. *Three lectures, six hours laboratory weekly.*
Comparative Anatomy of Vertebrates.
Elements of Bacteriology.

Or

GEOLOGY 1. *Three lectures, six hours laboratory weekly.*

Or

GEOLOGY 2. *Three lectures, six hours laboratory weekly.*
Crystallography.
Descriptive Mineralogy.
Petrography.

ELECTIVE COURSE.† *Three hours weekly.*

Fourth Year

PRESCRIBED SUBJECT

PHILOSOPHY. *Three hours weekly. (four hours, January to April).*
Logic.
Psychology.
Ethics.

SUBJECTS ADVISED

TWO SCIENCES *Six lectures, twelve hours laboratory weekly.*

ELECTIVE COURSE.† *Three hours weekly.*

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*French and German Elements (as in Group I) are prescribed in the case of students who offer Greek for matriculation.

†For courses which may be taken as electives, see page 242.

‡See statement as to requirements for the medical department on page 236.

ELECTIVE COURSES

A student may take as an elective any course that he is prepared to enter. Numerous courses, other than those described under the separate groups, will be given as a rule each year; and they, as well as those scheduled in the groups, may be chosen as elective courses, under the conditions specified on page 234. In 1909-10 these will be in the following subjects:

Latin.
Greek.
Greek and Roman Life.
Classical Archæology.
Sanskrit.
Comparative Philology.
Hebrew.
English and Anglo-Saxon.
French.
German.
Spanish.
Italian.
Mathematics.
Chemistry.
Physical Chemistry.
Physics.
Astronomy.
Zoology.
Botany.
Geology.
History.
Political Economy.
Philosophy.
Psychology.
Drawing.

SYNOPSIS OF GROUPS

Group I	Group II	Group III	Group IV	Group V
FIRST YEAR				
Latin 1. Greek 1. English Composition 1. Mathematics 1. Natural History. Physical Training.	Latin 1. French 1 or German 1. English Composition 1. Mathematics 1. Natural History. Physical Training.	Latin 1. French 1 or German 1. English Composition 1. Mathematics 1. Natural History. Physical Training.	Chemistry 1. French 1. or German 1. English Composition 1. Mathematics 1. Physical Training.	Chemistry 1. French 1 or German 1. English Composition 1. Mathematics 1. Physical Training.
SECOND YEAR				
Latin 2. Greek 2. English Literature 1. French Elements or German Elements. General History (History 2). Vocal Training.	Latin 2. German 1 or French 1. English Literature 1. General History (History 2) French 2 or German 2. Vocal Training.	Latin 2. German 1 or French 1. English Literature 1. History 1. Political Economy 1. Vocal Training.	Mathematics 2. Physics 1. German 1 or French 1. English Literature 1. General History (History 2) or Political Economy. Vocal Training.	English Literature 1. German 1 or French 1. Two of these: Biology 1. Geology 1. Chemistry 2. Mathematics 2. Vocal Training.
THIRD YEAR				
Physics 1. German Elements or French Elements. Forensics. ——— Latin 3. Greek 3. An Elective.	Physics 1. German 2 or French 2. Forensics. ——— Two Languages. An Elective.	Physics 1. Forensics. ——— History 2. History 3. Political Economy 2. An Elective.	Mathematics 3. Physics 2. Forensics. ——— A Science. An Elective.	Physics 1. General History (History 2) or Political Economy. Forensics. ——— A Science. An Elective.
FOURTH YEAR				
Philosophy. ——— Latin 4. Greek 4. Two Electives.	Philosophy. ——— Two Modern Languages. Two Electives.	Philosophy. ——— History 4. Political Economy 3. Two Electives.	Philosophy. ——— Mathematics 4. Physics 3. Electives.	Philosophy. ——— Two Sciences. An Elective.

SCHEDULE OF HOURS

Hours	Monday	Tuesday	Wednesday	Thursday	Friday
9	French 2. Greek 2. Mathematics 2. Geology 1. English Composition 1.	Latin 1. Chemistry 1. Biology 1. General History. History 2. History 1. Italian 1. Spanish 1.	Latin 1. Political Economy 1. Chemistry 2. English Literature 2. Physics 3. Geology 3. German 2. French 4.	Latin 1. Chemistry 1. Biology 1. General History. History 2. History 1. Italian 1. Spanish 1.	Latin 1. Chemistry 1. Biology 1. General History. History 2. History 1. Italian 1. Spanish 1.
10	Mathematics 1. Natural History. Physics 1. Latin 2. Philosophy.	French 2. Greek 2. Mathematics 2. Geology 1. English Composition 1.	Mathematics 1. Natural History. Physics 1. Latin 2. Philosophy.	Political Economy 1. Chemistry 2. English Literature 2. Physics 3. Geology 3. German 2.	Mathematics 1. Natural History. Physics 1. Latin 2. Philosophy.
11	Physics 2. Economics 2. Greek 3. History 3. Chemistry 3. Biology 3. Mathematics 4. English Literature 1. English Literature 5. German 3.	Physics 2. Economics 2. Greek 3. History 3. Chemistry 3. Biology 3. Mathematics 4. English Literature 1. English Literature 5. German 3.	French 2. Greek 2. Mathematics 2. Geology 1. English Composition 1.	Physics 2. Economics 2. Greek 3. History 3. Chemistry 3. Biology 3. Mathematics 4. English Literature 1. English Literature 5. German 3.	Political Economy 1. Chemistry 2. English Literature 2. Physics 3. Geology 3. French 4. German 2.
12	Greek 1. French 1. German 1. Biology 2. Geology 2. History 4. Economics 3. Latin 3. French Elements. German Elements. Mathematics 3.	Greek 1. French 1. German 1. Biology 2. Geology 2. History 4. Economics 3. Latin 3. French Elements. German Elements. Mathematics 3.	Greek 1. French 1. German 1. Biology 2. Geology 2. History 4. Economics 3. Latin 3. French Elements. German Elements. Mathematics 3.	Greek 1. French 1. German 1. Philosophy 1 (Psychology). (Jan.-Apr.). French 5. French Elements. German Elements.	Public Speaking 2.
1	No lectures or recitations of any kind may come at one o'clock.				
2	Laboratory. English Literature 4.	Laboratory. English Literature 4. Drawing.	Drawing.	Laboratory.	Laboratory.
"	German 4. English Literature 6. Spanish 2.	German 4. English Literature 6. Spanish 2.		German 4. English Literature 6. Spanish 2.	

REQUISITES FOR THE DEGREE OF BACHELOR OF ARTS

As evidence that the collegiate course has been successfully completed, the degree of Bachelor of Arts is conferred at its close. The degree signifies, in the case of every recipient, such instruction in ancient and modern languages, in mathematics, in the physical and natural sciences, in literature, philosophy, and history, as is believed to be essential to a liberal education.

Twenty courses are required for graduation, and no combination of studies is accepted which does not include three courses in one subject and two courses in another subject.

All candidates for a degree take the following prescribed courses, which are for one year unless otherwise noted:

Rhetoric.

English Literature.

French.

German.

History or (in Groups IV and V) Political Economy.

Physics.

Mathematics.

In Groups I, II, and III, a half-year.

In Groups IV and V, one year.

Philosophy.

Vocal Training.

Forensics.

Physical Exercises.

A Laboratory Course—

In Groups I, II, and III, Natural History (a half-year).

In Groups IV and V, Chemistry and Physics.

The remaining courses necessary to complete the number required are chosen, subject to the approval of the Adviser, in accordance with the schemes outlined under the several groups.

A student may be admitted to advanced standing, in accordance with the regulations given on page 253, but in all cases the candidate must pursue the last year of his undergraduate course in this institution.

In general, four years of residence are necessary for the completion of the courses required for a degree. A capable student may, however, complete this work in three years. Such a student may (1) anticipate certain of the courses by special examination at entrance;* (2) present himself, at the beginning of an academic year, for examination in a single course, provided the Committee on Admission and Advanced Standing, being satisfied that the student can obtain competent instruction, has authorized him, in advance, to prepare this course during the summer vacation;* (3) take, under certain conditions, in any year of residence except the first, a greater number of courses than is called for in the program; (4) offer nineteen courses for graduation instead of twenty, in accordance with the following provision:

In case a student has an average of not less than 9 for the work of his third year, and has not received a mark as low as 7 for any of his courses since admission to the university, he need offer only nineteen courses for graduation.

A student whose average in his studies for each of his last two years has not been less than 9, and who has not received a mark less than 7.5 in any of his courses during his last three years, shall receive his degree WITH HONOR.

Special students who have been in residence at least two years, and who have completed their work in a satisfactory manner, shall receive a certificate stating the facts and signed by the President of the University.

*Forms of application for these privileges are provided and must be obtained from the Registrar.

COMMITTEES AND ADVISERS

Standing Committees. The Board of Collegiate Studies appoints four standing committees:

1. The Executive Committee, which has charge of such matters pertaining to discipline and general administration as may be delegated to it by the Board of Collegiate Studies.

2. The Committee on Admission and Advanced Standing.

3. The Committee on Scholarships and Honors.

4. The Committee on Assignment of Advisers.

The Dean of the College Faculty is *ex officio* a member of each of these.

Advisers. When an undergraduate student is admitted to the university, he is assigned to an Adviser by the standing committee charged with this duty, and he will, under ordinary circumstances, remain under the direction of the same Adviser during his whole course. The approval of the Adviser is necessary before the student can enter upon any course of study; no instructor will receive into a class a student who does not bring with him (in a book provided for that purpose) assurance that his Adviser approves his pursuing the study at that time, and no student is allowed, without the consent of his Adviser, to discontinue any work. Each Adviser endeavors to establish relations of friendliness and confidence with the students assigned to his care; he not only gives counsel in regard to the selection of studies, but promotes the welfare of his students in every practicable way.

REQUIREMENTS FOR ADMISSION

Those who wish to pursue the undergraduate course in this university, should apply to the Registrar for a blank form of "Application for Admission," which must be filled up and returned at least one week before the time set for the entrance examinations. These examinations are held at the university in June and September of each year.

To accommodate those who wish to take their examinations elsewhere, the university will accept certificates from the College Entrance Examination Board for subjects passed in accordance with its regulations. (See page 254.)

APPLICANTS FOR ADMISSION

Those who wish to become candidates for the degree of Bachelor of Arts must present evidence of a satisfactory knowledge of the following subjects:

Mathematics.	Greek, or French and German.
Latin.	Physical Geography, or a Science such
English.	as Botany, Chemistry, or Physics.
History.	Free-hand Drawing.

Details of the requirements will be found in the following pages.

To show that his knowledge is satisfactory the applicant must submit evidence of two kinds:

1. He must present certified statements of the successful completion of courses in the required subjects. These statements should specify the number of weeks and the number of hours per week that the applicant has given to the study of each subject, and the amount of ground covered in each. The authors read in each language should be specified, and the statement as to science should show that the student did laboratory work.

Blank spaces for these certified statements will be found in the form of "Application for Admission" referred to above, and these should be filled and signed by the teacher under whom the applicant has prepared for college, or by the head of the school.

2. If these statements are satisfactory, the applicant will be admitted to the matriculation examination in Mathematics, History, and the several languages, but will not be required to take an examination in Physical Geography or Science, or in Drawing.

If the statements are unsatisfactory, the Committee on Admission will prescribe such conditions as may be necessary. An applicant who has not had a satisfactory course in Drawing will, if admitted, be required to take the course offered by the university.

Applicants are received, without examination, from certain schools in the city of Baltimore which have been approved by the Board of Collegiate Studies, provided their "Applications" show that they have fully and satisfactorily covered the requirements for admission.

DIVISION OF THE MATRICULATION EXAMINATION

The applicant may pass a part of the examinations one year before his admission to the university and receive credit, under the following conditions:

In his application *he must distinctly declare his intention to divide the examinations.* The subjects passed will not count towards matriculation unless he offers the remaining subjects within the ensuing year. The first part of the divided examination will be confined to the following subjects, of which he will be expected to pass in the first three at least:

English (*a*).
Algebra (*a*).
Latin (*a*).
Plane Geometry.
Greek (*a*).
French or
German.
History of the United States or
of Greece.
History of England or of Rome.

REQUIREMENTS FOR MATRICULATION

1. MATHEMATICS.—Algebra; Plane Geometry; Plane Trigonometry.

The requirements in Algebra are as follows:

(*a*). To Quadratics, including the four fundamental rules, the use of parentheses, factoring, highest common factor, lowest common multiple, complex fractions, equations of the first degree in one or more unknown quantities, and problems leading to such equations, inequalities, radicals, and the use of fractional and negative exponents.

(*b*). Quadratics and beyond, including quadratic equations in one and two unknown quantities, and problems leading to such equations, the theory of quadratic equations in one unknown quantity, ratio and proportion, the progressions, the elementary treatment of permutations and combinations, the binomial theorem for positive integral exponents, and the use of logarithms.

The subjects required in Plane Geometry and in Trigonometry are those treated in the ordinary text-books.

2. ENGLISH.—The examination consists of two parts:

a. Reading. The candidate will be required to write a paragraph or two on each of several topics chosen by him from a considerable number—perhaps ten or fifteen—set before him in the examination paper. These topics are selected with reference to certain books, a list of which is given below. This part of the examination is designed, primarily, to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. As additional evidence of preparation, the candidate may present an exercise book, properly certified by his instructor, containing compositions or other written work.

The books prescribed for this part of the examination are:

In 1909, 1910, and 1911; Group I (*two* to be selected).

Shakespeare's *As You Like It, Henry V, Julius Cæsar, The Merchant of Venice, Twelfth Night.*

Group II (*one* to be selected).

Bacon's *Essays;* Bunyan's *The Pilgrim's Progress, Part I; The Sir Roger de Coverley Papers* in *The Spectator;* Franklin's *Autobiography.*

Group III (*one* to be selected).

Chaucer's *Prologue;* Spencer's *Faerie Queen* (selections); Pope's *The Rape of the Lock;* Goldsmith's *The Deserted Village;* Palgrave's *Golden Treasury* (First Series), Books II and III, with especial attention to Dryden, Collins, Gray, Cowper, and Burns.

Group IV (*two* to be selected).

Goldsmith's *The Vicar of Wakefield;* Scott's *Ivanhoe;* Scott's *Quentin Durward;* Hawthorne's *The House of the Seven Gables;* Thackeray's *Henry Esmond;* Mrs. Gaskell's *Cranford;* Dickens' *A Tale of Two Cities;* George Eliot's *Silas Marner;* Blackmore's *Lorna Doone.*

Group V (*two* to be selected).

Irving's *Sketch Book;* Lamb's *Essays of Elia;* De Quincey's *Joan of Arc* and *The English Mail Coach;* Carlyle's *Heroes and Hero Worship;* Emerson's *Essays* (selected); Ruskin's *Sesame and Lilies.*

Group VI (*two* to be selected).

Coleridge's *The Ancient Mariner;* Scott's *The Lady of the Lake;* Byron's *Mazeppa* and *The Prisoner of Chillon;* Palgrave's *Golden Treasury* (First Series), Book IV, with special attention to Wordsworth, Keats, and Shelley; Macaulay's *Lays of Ancient Rome;* Poe's *Poems;* Lowell's *The Vision of Sir Launfal;* Arnold's *Sohrab and Rustum;* Longfellow's *The Courtship of Miles Standish;* Tennyson's *Gareth and Lynette, Lancelot and Elaine,* and *The Passing of Arthur;* Browning's *Cavalier Tunes, The Lost Leader, How they Brought the Good News from Ghent to Aix,*

Evelyn Hope, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, The Boy and the Angel, One Word More, Hervé Riel, Pheidippides.

b. Study and Practice. This part of the examination presupposes the careful study of each of the works named below. The examination will be upon subject-matter, form, and structure, and will also test the candidate's ability to express his knowledge with clearness and accuracy.

The books set for this part of the examination are:

In 1909, 1910, and 1911: Shakespeare's *Macbeth;* Milton's *L'Allegro, Il Penseroso Comus,* and *Lycidas;* Burke's *Speech on Conciliation with America,* or Washington's *Farewell Address* and Webster's *First Bunker Hill Oration;* Macaulay's *Life of Johnson,* or Carlyle's *Essay on Burns.*

In connection with the reading and study of the required books, parallel or subsidiary reading should be encouraged, and a considerable amount of English poetry should be memorized. The essentials of English grammar should not be neglected in preparatory study.

No candidate will be accepted in English whose work is notably defective in spelling, punctuation, idiom, or division into paragraphs.

Although candidates will be permitted to take the entire examination at the time of entrance, it is strongly recommended that Part *a* be taken as a preliminary examination and Part *b* as a final examination. Candidates will thus have an opportunity to make up deficiencies which may be discovered at the preliminary examination, and to enter the university without a condition in English.

3. HISTORY.—The outlines of the History of England and the United States, or of the History of Greece and Rome, and the outlines of the geography of these countries.

4. LATIN.—A systematic course of instruction extending over four school years at least is presupposed. The applicant should have read the following texts:

Cæsar, at least four books.
Cicero, at least six orations.
Virgil, at least six books.
Ovid, at least one thousand lines.

The examination includes three elements:

(*a*) Latin Grammar (both forms and syntax), based on Cæsar, *Gallic War,* Book I, and Cicero, *Orations against Catiline,* I, II, and III.

(*b*) Translation into English of Latin prose and verse, together with questions suggested by the text, including questions on prosody. A part of the translation will be at sight, and, in all translations, simple, idiomatic English will be required.

(*c*) Translation into Latin of a passage of easy connected English prose.

In case the examination is divided, as provided for on page 249, (*a*) should be offered at the preliminary examination.

5. GREEK.—A systematic course of instruction extending over three school years at least is presupposed. The applicant should have read the following texts:

Xenophon, *Anabasis,* at least four books.
Homer, *Iliad,* at least four books, or *Odyssey,* at least six books.

The examination includes three elements:

(*a*) Greek Grammar (both forms and syntax), based largely on Xenophon's *Anabasis*, books I and II.

(*b*) Translation into English of Attic prose and of Homer, together with questions suggested by the text, including questions on Homeric life and the prosody of the Homeric poems. A part of the translation will be at sight, and in all translations simple idiomatic English will be required.

(*c*) Translation into Greek (with accents) of a passage of easy connected English prose.

In case the examination is divided, as provided for on page 249, (*a*) should be offered at the preliminary examination.

Applicants not offering Greek must meet the following requirements in French and German:—

6. FRENCH.—The requirements in French presuppose a systematic course extending over at least two school years, at the end of which time the student should be able to pronounce French accurately, to read at sight easy French prose, to put into French simple English sentences taken from the language of every-day life or based upon a portion of the French text read, and to answer questions on the rudiments of French Grammar. The examination, *which may not be divided*, comprises:

(*a*) Questions on the elements of French grammar, including the inflection of adjectives, particles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions; the order of words in the sentence; and the elementary rules of syntax.

(*b*) The translation into French of short sentences illustrative of the rules of grammar, and of a short paragraph based on a French text given. In place of the translation of this paragraph, the candidate may substitute an original exercise in French on a subject set by the examiner.

(*c*) The translation, at sight, of easy French prose.

(*d*) An oral exercise in pronunciation.

The candidate should have read from 400 to 500 pages of French prose taken from a standard reader and from the texts edited for elementary use, as listed by the leading publishers; especially those of the works of About, Bruno, Dumas, Erckmann-Chatrian, Halévy, Laboulaye, Labiche and Martin, Malot, Sand, and Verne. Grammars recommended are Frazer and Squair's Part I, Longmann's, Chardenal's Complete French Course, and Perry and Reums' French Book.

7. GERMAN.—The requirements in German presuppose at least two years of school work under approved methods, with four recitations weekly, and the reading of a minimum of 300 pages of easy dialogue and narrative prose.

Candidates are expected to give particular attention to pronunciation, to the acquisition of an elementary German vocabulary, and to an accurate knowledge of the rudiments of German grammar, in quantity corresponding to Vos's *Essentials of German*.

REQUISITES FOR THE DEGREE OF BACHELOR OF ARTS

As evidence that the collegiate course has been successfully completed, the degree of Bachelor of Arts is conferred at its close. The degree signifies, in the case of every recipient, such instruction in ancient and modern languages, in mathematics, in the physical and natural sciences, in literature, philosophy, and history, as is believed to be essential to a liberal education.

Twenty courses are required for graduation, and no combination of studies is accepted which does not include three courses in one subject and two courses in another subject.

All candidates for a degree take the following prescribed courses, which are for one year unless otherwise noted:

Rhetoric.

English Literature.

French.

German.

History or (in Groups IV and V) Political Economy.

Physics.

Mathematics.

In Groups I, II, and III, a half-year.

In Groups IV and V, one year.

Philosophy.

Vocal Training.

Forensics.

Physical Exercises.

A Laboratory Course—

In Groups I, II, and III, Natural History (a half-year).

In Groups IV and V, Chemistry and Physics.

SPECIAL STUDENTS

The university is ready to receive as special student those who are qualified by age, character, attainment and habits of study, to attend its classes and lectur with profit to themselves and the institution. Such pe sons may be admitted, without matriculation, to a lin ited number of undergraduate courses; but the privileg once accorded will be forfeited if the student is foun unworthy of it.

The requirements for admission as a special studen are that the applicant shall pass such examinations, an shall present such other evidence of fitness to pursue th desired courses, as may in each case be required by th Committee on Admission. Unless excused for some def nite reason, the applicant will be required to satisfy th matriculation requirements in English, in French or Ge man, and in either Latin or Mathematics. In the pas many excellent students have been thus enrolled, amon whom not a few have subsequently changed their plan passed the matriculation examinations, and at length r ceived the degree of Bachelor of Arts.

Admission on these terms will not be granted unles the applicant be of some maturity, of serious intent, an of proved ability, and can satisfy the Committee on A mission that there are valid grounds for admitting hi without full matriculation. A student cannot be a mitted as a special student merely on the ground that h is unable to meet the full matriculation requirements.

College Entrance Examination Board

The College Entrance Examination Board holds exami nations at numerous places in the country about the thir week of June in each year, information in regard t

COMMITTEES AND ADVISERS

Standing Committees. The Board of Collegiate Studies appoints four standing committees:

1. The Executive Committee, which has charge of such matters pertaining to discipline and general administration as may be delegated to it by the Board of Collegiate Studies.

2. The Committee on Admission and Advanced Standing.

3. The Committee on Scholarships and Honors.

4. The Committee on Assignment of Advisers.

The Dean of the College Faculty is *ex officio* a member of each of these.

Advisers. When an undergraduate student is admitted to the university, he is assigned to an Adviser by the standing committee charged with this duty, and he will, under ordinary circumstances, remain under the direction of the same Adviser during his whole course. The approval of the Adviser is necessary before the student can enter upon any course of study; no instructor will receive into a class a student who does not bring with him (in a book provided for that purpose) assurance that his Adviser approves his pursuing the study at that time, and no student is allowed, without the consent of his Adviser, to discontinue any work. Each Adviser endeavors to establish relations of friendliness and confidence with the students assigned to his care; he not only gives counsel in regard to the selection of studies, but promotes the welfare of his students in every practicable way.

II. FACULTY OF MEDICINE

Terms of Admission

The courses in medicine given in this university are planned for the professional education of those students who have been especially fitted to receive instruction by a course of preliminary training in the liberal arts, and especially in those branches of science, like physics, chemistry, and biology, which underlie the medical sciences. Men and women are admitted upon the same terms.

The following classes of students are received as candidates for the degree of Doctor of Medicine:

1. Those who have completed the chemical-biological course in this university (Group V) leading to the degree of Bachelor of Arts.

2. Graduates of approved colleges or scientific schools who can furnish evidence: (*a*) That they have acquaintance with Latin and a reading knowledge of French and German; (*b*) That they have such knowledge of physics, chemistry, and biology as may be obtained by a year's course in these subjects when accompanied by laboratory work.

In biology the candidate, in addition to lectures and recitations, should have followed for at least a year a laboratory course of six or more hours a week in the structure, life-history, and vital activities of selected types of animal and vegetable life. Courses in botany or zoology will be accepted, provided the laboratory work has been adequate. It is desirable also that candidates should have taken a laboratory course in embryology.

The candidate should have followed a course in general chemistry for at least a year. This course should include laboratory work, about five hours a week through the year, and lectures and class-room work covering the outlines of inorganic chemistry and the elements of organic chemistry. A good knowledge of the subject as presented in Remsen's "Introduction to the Study of Chemistry" may be regarded as the minimum requirement. A fuller knowledge of chemistry is desirable.

In physics, the candidate should have followed a collegiate course for at least one year. This should include four hours a week of class-room work and at least one afternoon a week of

quantitative work in the laboratory. Special attention should be given to theoretical mechanics and to the mechanical and electrical experiments.

In Latin the candidate should have studied Latin grammar and should possess at least such knowledge of the language as may be acquired by reading four books of Cæsar or their equivalent.

3. Those who give evidence by examination that they possess the general education implied by a degree in arts or in science from an approved college or scientific school, and the knowledge of French, German, Latin, physics, chemistry, and biology above indicated.

Applicants for admission will receive blanks to be filled out relating to their previous courses of study. They are required to furnish certificates from officers of the colleges or scientific schools in which they have studied, as to the courses pursued in physics, chemistry, and biology. If the certificates are satisfactory, no examination in these subjects will be required from those who possess a degree in arts or in science from an approved college or scientific school.

Hearers and special workers, not candidates for a degree, will be received at the discretion of the Faculty.

ADMISSION TO ADVANCED STANDING

Applicants for admission to advanced standing must furnish evidence (1) that the foregoing terms of admission as regards preliminary training have been fulfilled, (2) that courses equivalent in kind and amount to those given here preceding that year of the course for admission to which application is made, have been satisfactorily completed, and (3) must pass examinations, at the beginning of the session in October, in all the subjects that have been already pursued by the class to which admission is sought. Certificates of standing elsewhere cannot be accepted in place of these examinations.

General Plan of Instruction

The course of instruction is planned for those who h
received a liberal education and the training in phy
chemistry, and general biology which has been speci
The required period of study for the degree of Docto
Medicine is four years. The academic year begins on
first of October and ends about the middle of June. Th
are short recesses at Christmas and Easter.

The first two years of the course are devoted mainl
the fundamental medical sciences, a large part of
time being spent in practical work in the laborato
In the last two years, medicine, surgery, obstetrics,
the various specialties are studied in the clinical lab
tories, the dispensary, and the wards of the hospital.

Throughout the four years' course an opportunit
given to elect special courses. In each year a cer
number of courses are required, but, in addition, the
dent must select from a group of electives enough wor
make up from twenty-five to thirty hours of work a w

The principal required studies of the first year
anatomy, including normal histology and embryol
physiology, and physiological chemistry. The study
anatomy and physiology is continued in the second y
During the second year general pathology, patholog
anatomy, and pharmacology are studied. A pract
course in bacteriology, with the chief emphasis upon
hygienic and pathological bearings, is given during th
months of this year.

Upon the basis of thorough training in the med
sciences, pursued during the first two years of the cou
the student should be well fitted to undertake the st
of practical medicine and surgery.

During the third year the general principles of m
cine, surgery, obstetrics, and gynecology are studied,
clinical instruction is given in these subjects and
nervous diseases. The study of certain special bran

of medicine is also begun. Leading features of the work of this year are the courses in the clinical laboratories and practical work in the dispensary.

During the fourth year the practical study of medicine and surgery is continued, and instruction is given in the various special branches of medicine and surgery, viz.: dermatology, genito-urinary diseases, orthopedic surgery, laryngology and rhinology, ophthalmology and otology, pediatrics, and psychiatry. In this year the students serve as clinical clerks and surgical dressers in the wards of the hospital and are in daily attendance at special classes in the dispensary. They also have an opportunity to take various elective courses which are described specifically in the catalogue of the medical department. For the ward and dispensary work the class is divided into small groups.

Instruction in hygiene, medical zoology, forensic medicine, and medical history is provided during the course.

Work in the dissecting room, in the laboratory, and at the bedside, demonstrations, clinics, lectures, and recitations are the main features of the methods of instruction. Simple didactic lectures occupy a subsidiary position, as compared with instruction by recitations and demonstrations and especially by practical work in the various laboratories, in the hospital wards, and in the dispensary. In consequence of the high standard of admission, the classes are not likely to be excessively large, and abundant opportunity is therefore afforded for practical work for each student and for personal contact between teacher and student.

Courses for Graduates in Medicine

Courses of instruction for graduates in medicine are given throughout the year. These courses are in Anatomy, Histology and Organology, Pathology, Bacteriology, Pharmacology and Toxicology, Physiology, Neurol-

ogy, Neurological Technique, Embryology, Physiological Chemistry, Clinical Microscopy, Medicine, Pediatrics, Obstetrics, Gynecological Pathology, Surgical Pathology, Operative Surgery, Orthopedic Surgery, Genito-Urinary Surgery, X-Ray Diagnosis and Therapeutics, Cystoscopy, and Ophthalmology and Otology. The instruction is intended to meet the requirements of practitioners of medicine, and is almost wholly of a practical character. It includes laboratory courses, demonstrations, bedside teaching, and clinics in the wards, dispensary, amphitheatre, and operating rooms of the hospital.

Detailed statements as to the courses of instruction and other information are given in the annual Catalogue and Announcement, which will be sent upon application to the Registrar of the school.

ENDOWED PROFESSORSHIPS AND LECTURESHIPS

The Baxley Professorship

By the will of Dr. Henry Willis Baxley, of Baltimore, who died March 13, 1876, a sum of money, amounting to $23,836.52, was received by the Trustees of the University to endow any medical professorship that they might think proper. This fund was kept intact and allowed to accumulate until it had reached the sum of $50,000. In 1901, the Trustees directed that the fund be set apart as a partial endowment of the Professorship of Pathology in the University, to be known as the Baxley Professorship of Pathology. The first incumbent is Dr. William H. Welch.

The Caroline Donovan Professorship

Mrs. Caroline Donovan, of Baltimore, gave to the University in November, 1889, shortly before her death, the sum of one hundred thousand dollars to establish a professorship of English literature. The first incumbent is Dr. James W. Bright, who was designated Caroline Donovan Professor of English Literature in 1905. During the intervening years courses of lectures were given by resident and non-resident scholars devoted to study in this field.

The Percy Turnbull Memorial Lectureship

On May 6, 1889, Mr. and Mrs. Lawrence Turnbull, of Baltimore, founded a lectureship in memory of their son, Percy Graeme Turnbull, their purpose being to enable the University to offer an annual course of lectures on poetry by a lecturer to be chosen by the President of the University from among "properly qualified authors, writers, or professors of America or Europe." At present the sum

of $1,000 is provided annually. Sixteen courses have been given on this foundation, the first in 1891. The list of lecturers includes Edmund C. Stedman, Richard C. Jebb, Charles Eliot Norton, George Adam Smith, Ferdinand Brunetière, and other foreign and American scholars of distinction.

The Herter Lectureship

Dr. and Mrs. Christian A. Herter, of New York, gave to the University in November, 1902, the sum of $25,000 "for the formation of a memorial lectureship designed to promote a more intimate knowledge of the researches of foreign investigators in the realm of medical science." The income of the lectureship is $1,000. According to the terms of the gift, some eminent worker in physiology or pathology is to be asked each year to lecture at the University upon a subject with which he has been identified. The selection of the lecturer is to be left to a committee representing the departments of pathology, physiological chemistry and clinical medicine, and if "in the judgment of the committee it should ultimately appear desirable to open the proposed lectureship to leaders in medical research in this country there should be no bar to so doing." Four courses have been given on this foundation, beginning in 1904. The lecturers were Paul Ehrlich, of Frankfort-on-the-Main, Hans H. Meyer, of Vienna, Almroth E. Wright, of London, and Edward A. Schäfer, of Edinburgh.

The James Schouler Lectureship

In March, 1908, Dr. James Schouler, of Boston, who had lectured in this University annually since 1891, announced his purpose to found a permanent lectureship in the University, to be known as "The James Schouler Lectureship in History and Political Science." It is provided that the endowment of the lectureship will secure

ally be $25,000. The donor expressed the wish that "such lectures be given annually if possible, * * * and that persons of promise or prominence be selected to lecture, who are capable of interesting as well as instructing an audience." The lectureship was inaugurated in April, 1909, by Abbott Lawrence Lowell, President (elect) of Harvard University.

The Albert Shaw Lectureship

Dr. Albert Shaw, of New York, a graduate of this University, gives annually the sum of $250 as the honorarium of a lecturer on Diplomatic History. The lectures are given before the advanced students of history and political science, and nine courses have been delivered, beginning in 1898. The lecturers, with one exception, have been alumni of the University.

In January, 1904, the Trustees decreed that certain chairs should bear the names of leading contributors to the Endowment Fund of 1902, as memorials of their liberality. In pursuance of this action four professorships have been thus designated: The B. N. Baker Professorship of Chemistry; the Francis White Professorship of Greek; the W. W. Spence Professorship of Semitic Languages; the Henry Walters Professorship of Zoology.

THE JOHNSTON SCHOLARSHIPS

These scholarships, of which there are three, know
the Henry E. Johnston Scholarship, the James Buch
Johnston Scholarship, and the Henry E. Johnston,
Scholarship, were founded by Mrs. Harriet Lane J
ston, of Washington, formerly of Baltimore, in mer
of her husband and her two sons. They are awarded
nually by the Trustees on the recommendation of
Academic Council. The stipend of each scholarshi
the income of thirty thousand dollars. They are off
primarily to young men who have given evidence of
power of independent research. The holders of the s
arships will be expected to devote themselves to s
and research in their chosen subjects, though they ma
required to do some teaching. Each one will be d
nated as the "Holder of the ..... Johnston Scholarsl

REGULATIONS

Candidates for the Johnston Scholarships must n
application, in writing, to the President of the J
Hopkins University before the first of May. The app
tions must be accompanied by such evidence of the
didates' fitness as they may be able to present. The I
ident will refer the papers to the Academic Council
whom the nominations will be made to the Board
Trustees at their meeting in June.

Holders of the scholarships may not engage in teac
elsewhere.

The scholars will be appointed for one year, bu
their work should prove satisfactory, they will gene
be reappointed.

FELLOWSHIPS

Fellowships by Courtesy

The Academic Council may, at their discretion, by special vote, enroll as Fellows by Courtesy—

(*a*) Gentlemen who are, or who have been, teachers in colleges and other like institutions, and who wish, for brief periods, to avail themselves of the opportunities here afforded for study and for the use of books and laboratories.

(*b*) Holders of fellowships in other colleges, during their residence here.

(*c*) Those who have been fellows of this university and desire to continue in residence.

Fellows by Courtesy will not be exempt from the payment of fees, except by a special vote.

University Fellowships

Twenty fellowships, each yielding five hundred dollars but not exempting the holder from the charges for tuition, are annually awarded.

The system of fellowships was instituted for the purpose of affording to young men of talent from any place an opportunity of continuing their studies in the Johns Hopkins University, while looking forward to positions as professors, teachers, and investigators, or to other literary and scientific vocations. The fellowships are given to young men who wish to follow systematically through the year the instructions of the teachers here engaged, and those who are appointed are expected to proceed to the degree of Doctor of Philosophy. The appointments are made not merely in recognition of good work already done,

but as aids and incentives to good work in the future; in other words, the fellowships are not so much honors and prizes bestowed for past achievements, as helps to further progress and stepping-stones to honorable intellectual careers. They are not offered to those who are definitely looking forward to the practice of any one of the three learned professions (though such persons are not formally excluded from the competition), but are bestowed almost exclusively on young men desirous of becoming teachers of science and literature, or of devoting their lives to special branches of learning which lie outside of the ordinary studies of the lawyer, the physician, and the minister.

Each candidate is expected to submit his college diploma or other certificate of proficiency from the institution where he has been taught, with recommendations from those who are qualified to speak of his character and attainments. But this is only introductory. He must also submit, orally or in writing, such evidence of his past success in study and of his plans for the future, together with such examples of his literary or scientific work, as will enable the professors to judge of his fitness for the post. The examination is, indeed, in a certain sense competitive, but not with uniform tests, nor by formal questions submitted to the candidates. First, the head of a given department considers, with such counsel as he may command, the applicant's record. The professors then collectively deliberate on the nominations made by individual members of their body. The list upon which they agree, with the reasons for it, is finally submitted by the President of the University to the Executive Committee, and by them to the Trustees for final registration and appointment. By all these precautions the highest results which were anticipated have been secured. A company of most promising students has been brought together, and their ability as teachers and scholars has

been recognized by calls they have received to permanent and desirable posts in various parts of the country.

The number of applications for fellowships has hitherto been very large, and it may have happened that some candidates have failed of appointment who were really superior to those selected. But if so, this has resulted from the fact that a considerable number of applicants have each year forwarded to the university merely testimonials from their instructors, without examples of their own work, and, in consequence, the professors, from want of adequate knowledge, have possibly passed over candidates who may have been in the highest degree meritorious.

The applicants are notified of the result by means of a printed list of the successful candidates.

The absence of candidates from Baltimore has been no bar to their appointment, in cases where adequate evidence of their claims has been presented; but it is obvious, from the nature of the case, that graduate students residing in Baltimore must have better opportunities than others of making their powers known to the appointing board, and during the last few years the number of persons appointed, who had not previously been resident here, is very small.

Regulations

1. The application must be made prior to May 1, in writing, addressed to the President of the University, and he will refer the papers to the Academic Council, by whom the nominations will be made to the Board of Trustees, at their meeting in June. There is no prescribed form of application.

2. The candidate must give evidence of a liberal education, such as the diploma of a college of good repute; of decided proclivity towards a special line of study, such as an example of some scientific or literary work already performed; and of upright character, such as a testimonial from some instructor.

3. The value of each fellowship is five hundred dollars. The holder is not exempt from the charges for tuition. In case of resignation, promotion, or removal from the fellowship, payments will be made for the time during which the office shall have been actually held.

4. Every holder of a fellowship will be expected to perform such duties as may be allotted to him in connection with his course of study, to act when called upon as an examiner or as moderator in the examination room, to give all his influence for the promotion of scholarship and good order, and in general to co-operate in upholding the efficiency of the university, as circumstances may suggest. He must reside in Baltimore during the academic year.

5. He will be expected to devote his time to the prosecution of special studies (not professional), under the direction of the head of the department to which he belongs, and before the close of the year to give evidence of progress by the preparation of a thesis, the completion of a research, the delivery of a lecture, or by some other method.

6. He may give instruction, with the approval of the President, by lectures or otherwise, to persons connected with the university, but he may not engage in teaching elsewhere.

7. He may be reappointed at the end of the year, but only for exceptional reasons.

8. Usually not more than two fellows will be appointed in any department of study.

9. As these fellowships are awarded as honors, those who are disposed, for the benefit of others, or for any other reason, to waive the pecuniary emolument, may do so, and still have their names retained on the honor list.

Adam T. Bruce Fellowship

This fellowship was founded in 1887 by the mother of Adam T. Bruce, Ph. D., late fellow and instructor in this university, as a memorial of her son, and is awarded annually. It is bestowed by the appointing board upon the candidate whom they consider most likely to promote biological science, and especially animal morphology, by original research. The stipend is the income of the Adam T. Bruce Fellowship endowment of ten thousand dollars. Preference is given to those who have already held fellowships in the Johns Hopkins University.

The electors consist of the President of the University, the chief instructor in animal morphology, the chief instructor in animal physiology, and a non-resident member annually chosen by the resident electors.

REGULATIONS

Candidates for the Bruce Fellowship must make application, in writing, to the President of the Johns Hopkins University before the first of May. They must forward to the President, at the same time, such evidence of their qualifications for appointment as they desire to be considered by the electors, who may require any candidate to appear before them in person.

The Bruce Fellow shall devote his time to study and research in biology at a place approved of by the President of the university, and he shall, during the month of February in the year of his tenure of the fellowship, send to the President a written statement of the scientific work accomplished by him since his appointment.

The tenure of the fellowship shall commence on the first of September.

Two hundred and fifty dollars shall be paid to the Fellow on October 1, and the remainder at convenient intervals during the tenure of the fellowship.

The holder shall not be more than thirty years of age at the date of his election.

The Bruce Fellow may be re-elected, but not oftener than twice, and he shall be exempt from charges for tuition.

The electors shall have the power to declare the fellowship vacant, if its holder prove, in their opinion, unworthy; and no further stipend shall be paid to such person.

WILLIAM S. RAYNER FELLOWSHIP

The Rayner Fellowship was founded by Mrs. Bertha Rayner Frank and Mr. Albert W. Rayner, of Baltimore, to perpetuate in this university the name of their father, Mr. William S. Rayner, who had made unusual attainments in the Hebrew language and was interested in the promotion of Semitic studies. The gift amounted to ten thousand dollars, and the income is available for a fellowship, which is bestowed annually by the Academic Council upon an advanced student in the department of Semitic Languages.

SCHOLARSHIPS

University Scholarships

For the encouragement of scholarship among those who have taken the baccalaureate degree and wish to continue their studies here, a number of University Scholarships are annually bestowed, as stated below:

1. Fifteen scholarships are open about the first of January to graduates of this or of other institutions, who have been studying here during the previous part of the session. Those who wish to be candidates must make formal application to the President, stating where they have been previously trained and what studies they have pursued in this university. He will appoint a committee of five to consider the applications, and, with the aid of such evidence as may be obtained, to make nominations to the Board of University Studies.

2. These scholarships entitle the holders to free tuition and are tenable for one year. They do not carry exemption from laboratory fees.

3. They are awarded as honors, and those who are disposed, for the benefit of others or for any other reason, to waive the pecuniary emolument, or who are desirous of studying elsewhere, may do so and still have their names retained on the honor list. Those who receive the emolument will be expected to pursue their studies exclusively in this university.

4. The Board will reserve appointments, if worthy candidates do not offer.

Hopkins Scholarships

In the will of the founder of this university, his Trustees are requested to "establish, from time to time, such number of free scholarships in said university as may be

judicious, and to distribute the said scholarships among such candidates from the States of Maryland, Virginia, and North Carolina, as may be most deserving of choice, because of their character and intellectual promise, and to educate the young men so chosen free of charge."

Forty-six such scholarships, entitling the holders to free tuition, are now offered to students from the three States named.

Students can be recognized as candidates only when actual residents of the State from which they desire to be appointed, during at least the year next preceding their enrolment in the university. If the appointing board is not sure as to the legal residence of any candidate, the point in question shall be determined by the Executive Committee of the Board of Trustees.

These scholarships are all bestowed for merit, and are tenable for the year subsequent to the appointment, the holders being re-eligible.

Successful candidates who are disposed, for the benefit of others or for any other reason, to waive the pecuniary emolument, may do so, and still have their names retained on the honor list. The scholarships may be forfeited, because of frequent or prolonged absence, defective scholarship, or unworthy conduct.

Scholarships made vacant by resignation, by forfeiture, or by the non-appearance of worthy candidates at the regular times of selection, may be bestowed by the appointing board, at their discretion, upon other candidates who are found worthy, provided that the principles of this foundation are not departed from.

Holders of scholarships are not exempt from laboratory fees.

Hopkins Scholars from Maryland

These scholars are appointed by the Board of Collegiate Studies, in accordance with the following regulations:

1. Four scholarships are open, at the beginning of the session, to those who have just completed their matriculation examination, and who stand best in a subsequent special examination in Mathematics, Latin, and Greek (or French and German), as required for matriculation.

2. Four are awarded in June to matriculated students whose records in the studies of the first year are most creditable. By "studies of the first year" is meant either the studies laid down for the first year in one of the regular groups, or such other studies, equivalent in amount, as may be approved of by the Committee on Scholarships and Honors.

3. Four are awarded for excellence in the studies of the second year, upon the same terms as in the case of the first year, provided that the candidate shall have absolved the "studies of the first year" as above defined.

4. Four are awarded for excellence in the studies of the third year upon the same terms as in the case of the second year, provided that the candidate shall have absolved the studies of the first and second years.

Hopkins Scholars from North Carolina and Virginia

Fifteen Hopkins Scholarships are awarded by the Academic Council to students from Virginia, and fifteen to students from North Carolina, who have already received a creditable baccalaureate degree or its equivalent. In case the entire number of scholarships is not required for graduate students, those that remain may be awarded to undergraduates, in the order of their merit. Applications, in writing, must be filed at the President's office prior to June 1.

WASHINGTON SCHOLARSHIPS

The Trustees offer to residents of the District of Columbia two scholarships, yielding free tuition. These, like the Hopkins Scholarships, are awarded to undergrad-

uate students for merit, do not carry exemption from laboratory fees, and are tenable for one year, the holders being eligible for re-appointment.

Woodyear Scholarships

Mrs. William E. Woodyear, of Baltimore, gave to the Trustees in 1893, as a memorial of her husband, the sum of ten thousand dollars, in order to provide for the annual bestowal of five scholarships, of one hundred dollars each, under such conditions as the Trustees may from time to time prescribe. At present they are awarded to young men who are known to the President of the University to be in need of pecuniary assistance, and who, at the same time, have given evidence of character and ability.

Maryland Scholarships

Twenty "Maryland Scholarships" are annually offered to residents of this State. They entitle the holders to free tuition, but do not carry exemption from laboratory fees. The scholarships are for the benefit of all parts of the State, and, accordingly, not more than one-half the number are awarded to residents of the city of Baltimore, and not more than one-half to those who are already members of the university. The appointing board consists of the President of the Board of Trustees, the President of the University, and the Dean of the College Faculty. The usual entrance examinations must be passed by the candidate, who must make application in accordance with a prescribed form; this must be accompanied by testimonials certifying to the applicant's character and pecuniary need. Students already in residence must apply before June 1; newly-entering students about October 1.

PRIZES

The Henrico Medallion

This prize is the gift (made in 1902) of the Colonial Dames of America, Chapter I. and consists of a copper medallion bas-relief commemorating the foundation of a university at Henrico, in Virginia, in the year 1619. It is bestowed in alternate years upon a graduate or student of the Johns Hopkins University, not more than ten years after his receiving the degree of Bachelor of Arts, as a recognition of special excellence in early American History.

The Tocqueville Medal

The Tocqueville medal is annually given to the Johns Hopkins University by the Baron Pierre de Coubertin, of Paris, and is offered by the university to that student who shall have written the best essay on some subject illustrating any phase of French History, political or social, from 1815 to 1890, or a review of some important historical work published in France since 1890. The medal is given in honor of the illustrious Frenchman, Alexis de Tocqueville (1805-1859), author of the well-known historical and political studies, "Ancien Régime" and "Démocratie en Amérique." The conditions of the award may be learned at the office of the University.

The Sylvester Prize

The Sylvester Prize is the gift of several Baltimore gentlemen, and is offered to advanced students of mathematics as a reward for original research. It consists of a medallion likeness of Professor J. J. Sylvester, the first professor of mathematics in this university.

The Severn Teackle Wallis Memorial Prize

This prize was established in 1905 by the Wallis Memorial Association of Baltimore. The conditions of the award, as stated by the donors, are as follows:

"When, in the judgment of the Board of Trustees of the university, a money prize of not less than fifty dollars in amount can advantageously and worthily be awarded out of the income of the fund to a student of the undergraduate, or the graduate, department of the university, for an essay on some subject connected with Spanish Literature or History, or for some original work done in either of said subjects, then the Board of Trustees shall make such award, said prize to be called the Severn Teackle Wallis Memorial Prize."

The Adams Prizes and Medal

The Trustees set aside annually the sum of fifty dollars for the purchase of books to be awarded as prizes to the undergraduates who are successful in the annual public debate between members of the two higher classes. These prizes, which were originally offered by the late Professor Herbert B. Adams, are known as the Adams Prizes.

A gold medal known as the Adams Medal is also awarded annually to the best speaker in the public contest participated in by members of the second-year undergraduate class.

TUITION FEES AND EXPENSES

A

In the Philosophical Department

Tuition Fees

The charge for tuition is one hundred and fifty dollars per annum, payable at the Treasurer's office in semi-annual instalments, October 1 and February 1. There is no extra charge for instruction in any department of study, or for the use of the library and reading-room. A gymnasium fee of five dollars per annum is charged to every undergraduate during his residence in the university, and the money thus acquired is devoted to defraying the expenses of the University Athletic Association. Graduate students who use the gymnasium are also required to pay this fee. Fees are charged, as below stated, for registration, for material consumed in the laboratories, and for diplomas.

No deduction is made at the Treasurer's office because of absence for a period of less than half a year, or because a student gives only a part of his time to study, or because he belongs to but one class. Prompt payment of fees is required.

Registration Fee and Caution Money

Every student is required at entrance to pay a registration fee of five dollars and deposit ten dollars as caution money, the latter being repaid to him when he leaves the university, if there are no charges against him.

Fees for Limited Attendance

Persons engaged in other pursuits—such as clergymen, lawyers, physicians, teachers,*—*who are able to give only*

*Teachers in the public and private schools of Maryland—*who are not candidates for a degree and who are prepared to follow courses corresponding, in general, to those offered to under-

a portion of their time to study, and who are prepared to follow graduate courses, are permitted to attend certain courses of lectures, not exceeding five weekly, or to work in a scientific laboratory (without attendance on lectures) at such times as may be arranged with the Director thereof, on the payment of fifty dollars for the year, besides the registration fee and caution money. For a course of lectures not exceeding five weekly, with accompanying laboratory work, the fee is seventy-five dollars per annum.

Laboratory Charges

In Chemistry: For undergraduates and for graduates who take Chemistry as a subordinate subject, twenty-four dollars a year; for graduates and special students following Chemistry as their principal subject, thirty-six dollars a year. For a half-year, one-half of these amounts.

In Physics: For students who work two afternoons a week, twenty-four dollars a year; for those who take Physics as their principal subject, thirty-six dollars a year. For a half-year, one-half of these amounts.

In Biology: For undergraduates and for graduates who take Zoology or Physiology as a subordinate subject, twenty-four dollars a year; for graduates and special students following a biological science as their principal subject, thirty-six dollars a year. For a half-year, one-half of these amounts.

In Geology: Ten dollars a year; for a half-year, one-half of this amount.

Students taking courses in Geology are expected to take part in a series of excursions, and to pay their personal expenses, which will, however, in no case amount to more than $14.00.

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graduate students,—may be received on the payment of ten dollars for a course of one hour a week, twenty dollars for a course of two hours a week, etc., as explained in a special circular to be obtained from the Registrar of the University. Such persons will not be regarded as members of the University.

In all the laboratories, a charge is made for breal and for apparatus not returned in good condition.

Fellows by Courtesy and others who have the privil of guests in the various laboratories, are expected to the usual laboratory charges.

Doctors of Philosophy of this university who desir remain for a time in the university after having recei their diplomas, may do so without charge for tuition. they are required to pay the usual laboratory charges.

Exception to the foregoing charges can be made onl the written request of the Director of a laboratory, proved by the President of the university.

Graduation Fees

The graduation fees are as follows, payable before delivery of diplomas:

Doctor of Philosophy, ...	$10.00
Master of Arts,*	10.00
Bachelor of Arts, ...	5.00

B

In the Medical Department

The charge for tuition is two hundred dollars annum, payable in semi-annual instalments, Octobe and February 1. There are no extra charges matriculation, for graduation, for instruction in department, or for laboratory courses, except in spe cases for materials consumed. To a student does not possess a microscope, there is an annual cha of five dollars for the use of one, with an additional cha of two dollars for the use of an oil-immersion lens. dollar is charged for the rental of a dissecting microsc for one year. The student is responsible for damage to microscope thus rented. A deposit of ten dollars as c

*If a Master of Arts proceeds to the degree of Doctor of losophy, he will be charged but $5.00 additional for that deg

tion money is required from each student at the time of his enrolment. The caution money is repaid to the student when he leaves, if there are no charges against him. Special charges are made for breakage and for damage to apparatus.

Payment of bills may be made at the office of the Registrar in the Physiological Building, which is open from 9 a. m. to 5 p. m., or at the office of the Treasurer of the University, on North Howard Street, which is open daily from 9 a. m. to 4.15 p. m.

The fees required of graduates of medical colleges who desire to follow special courses in medicine, are stated in detail in the annual catalogue of the medical department.

Living Expenses

The university has no dormitories or other living accommodations. Students may find comfortable homes in the vicinity,—in boarding houses or with families. The price of board ranges from three dollars and a half a week upward, and rooms from one dollar and a half a week.

Lists of desirable places are kept by the Secretary of the university branch of the Young Men's Christian Association and by the Registrar of the medical department.

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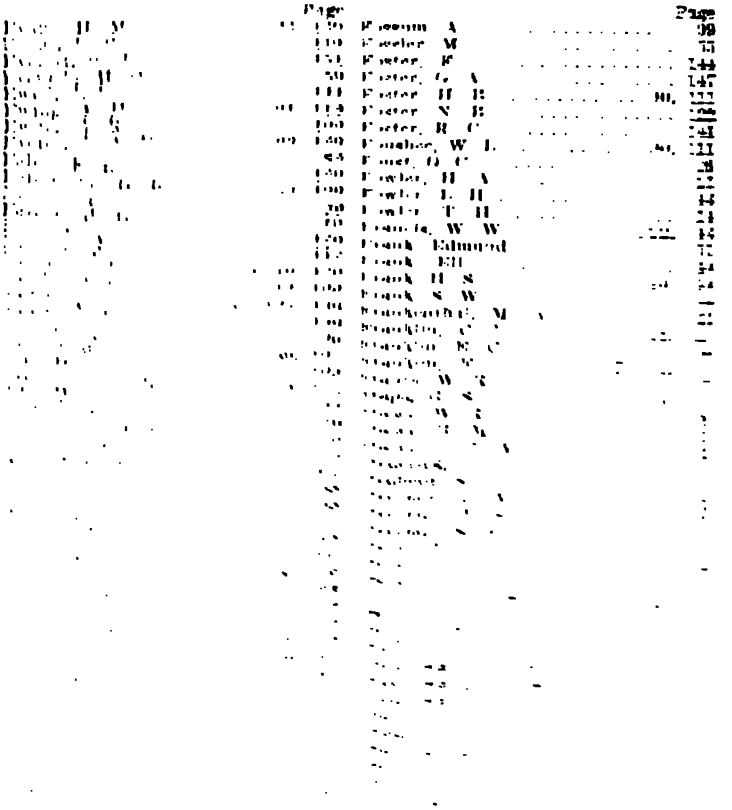

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